

FIG. 1 PRIOR ART

SCANNED, # 12

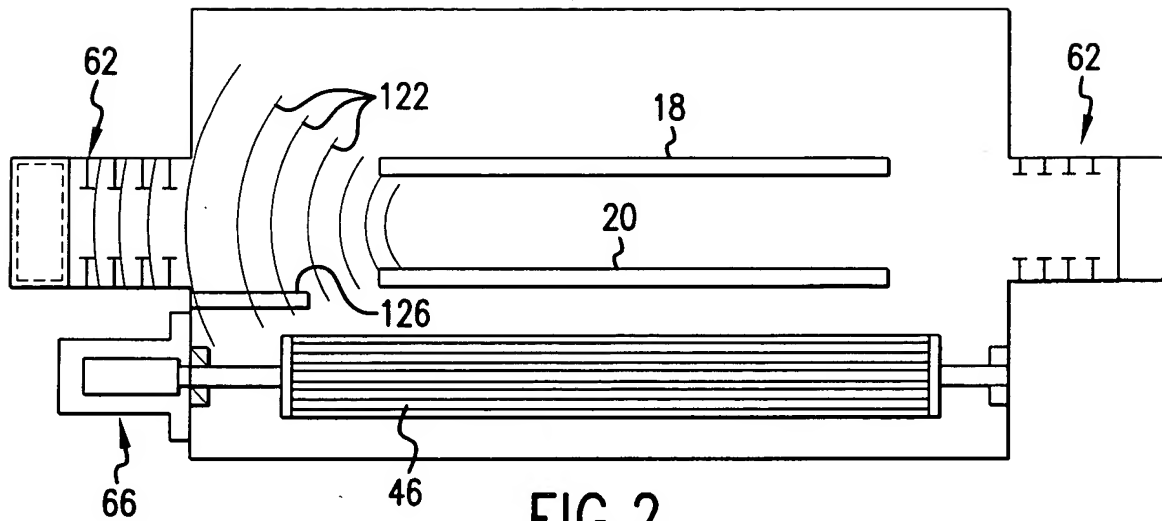


FIG. 2  
(PRIOR ART)

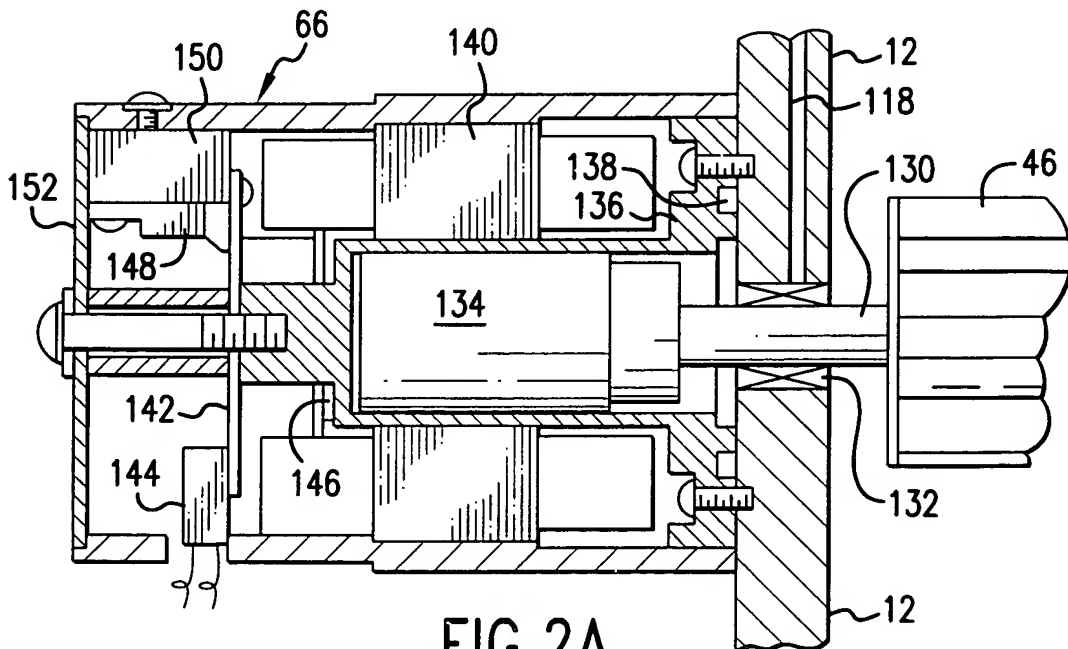


FIG. 2A  
(PRIOR ART)

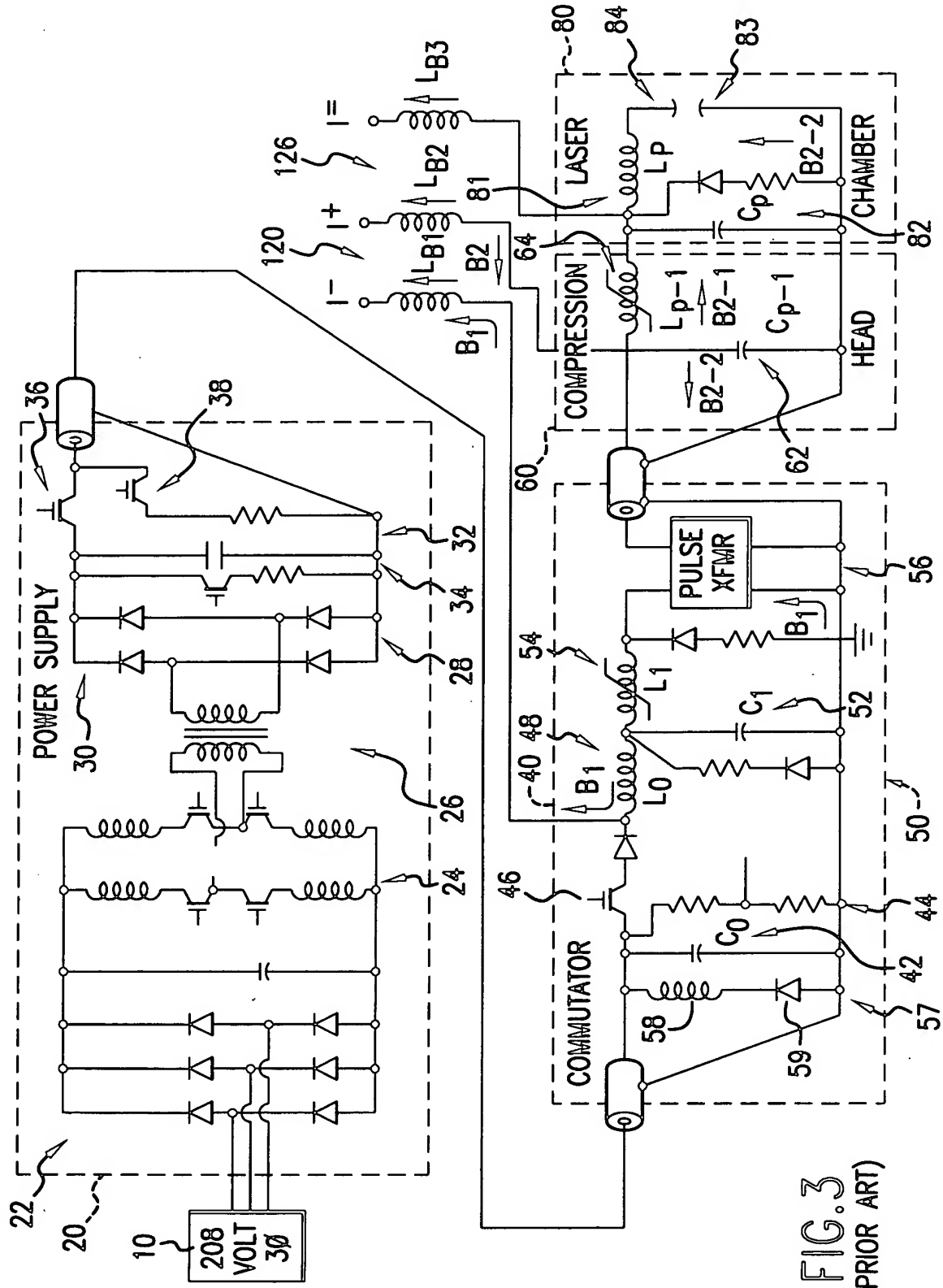


FIG. 3  
(PRIOR ART)

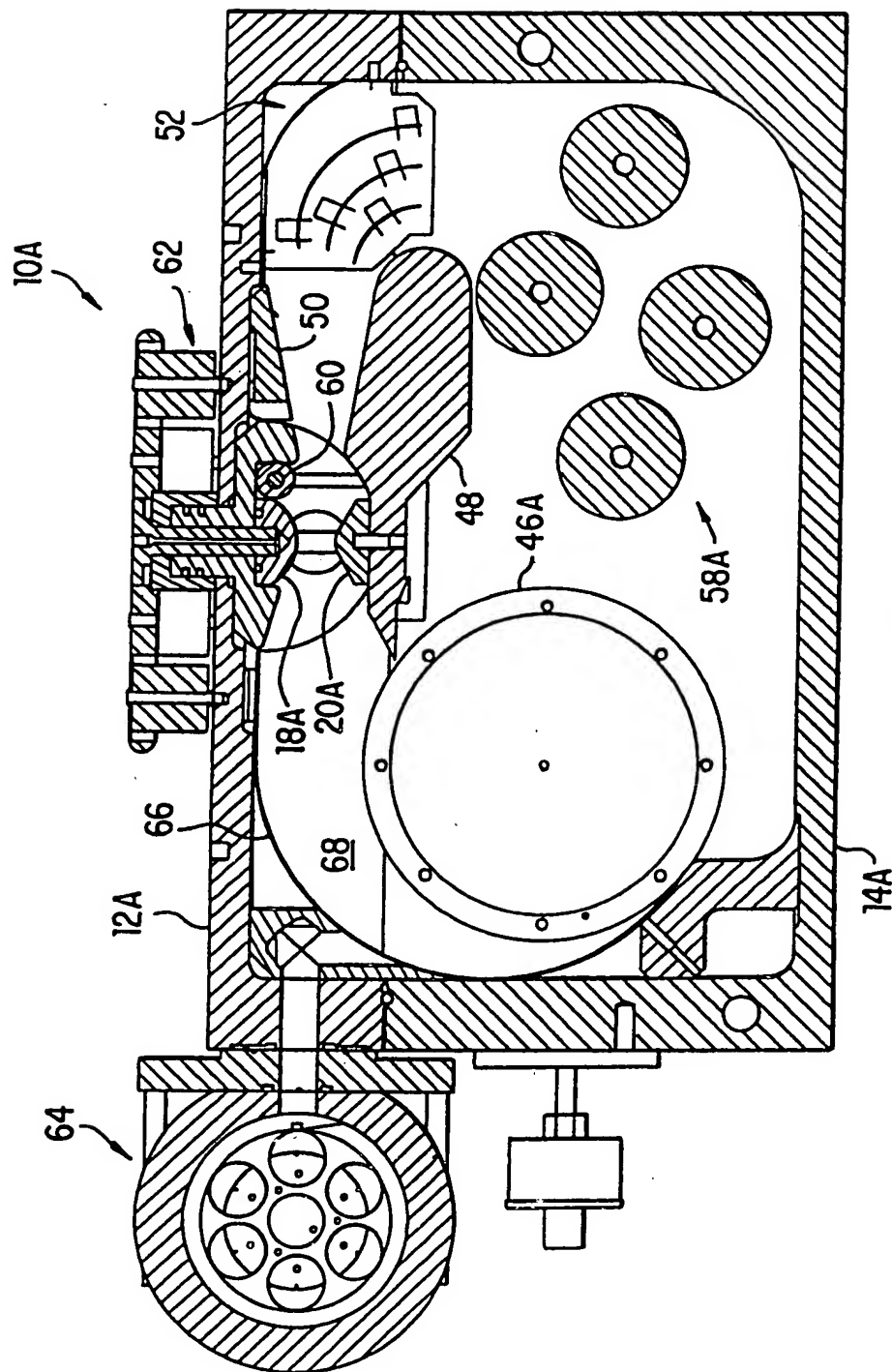


FIG. 4A

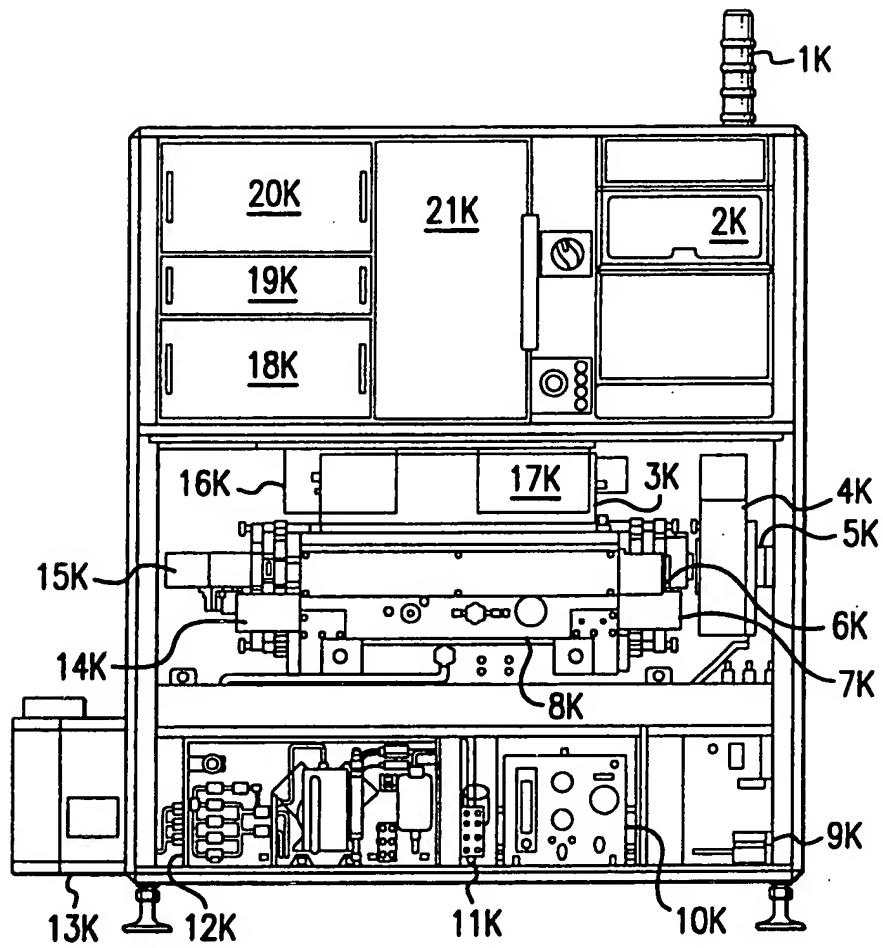


FIG. 4B

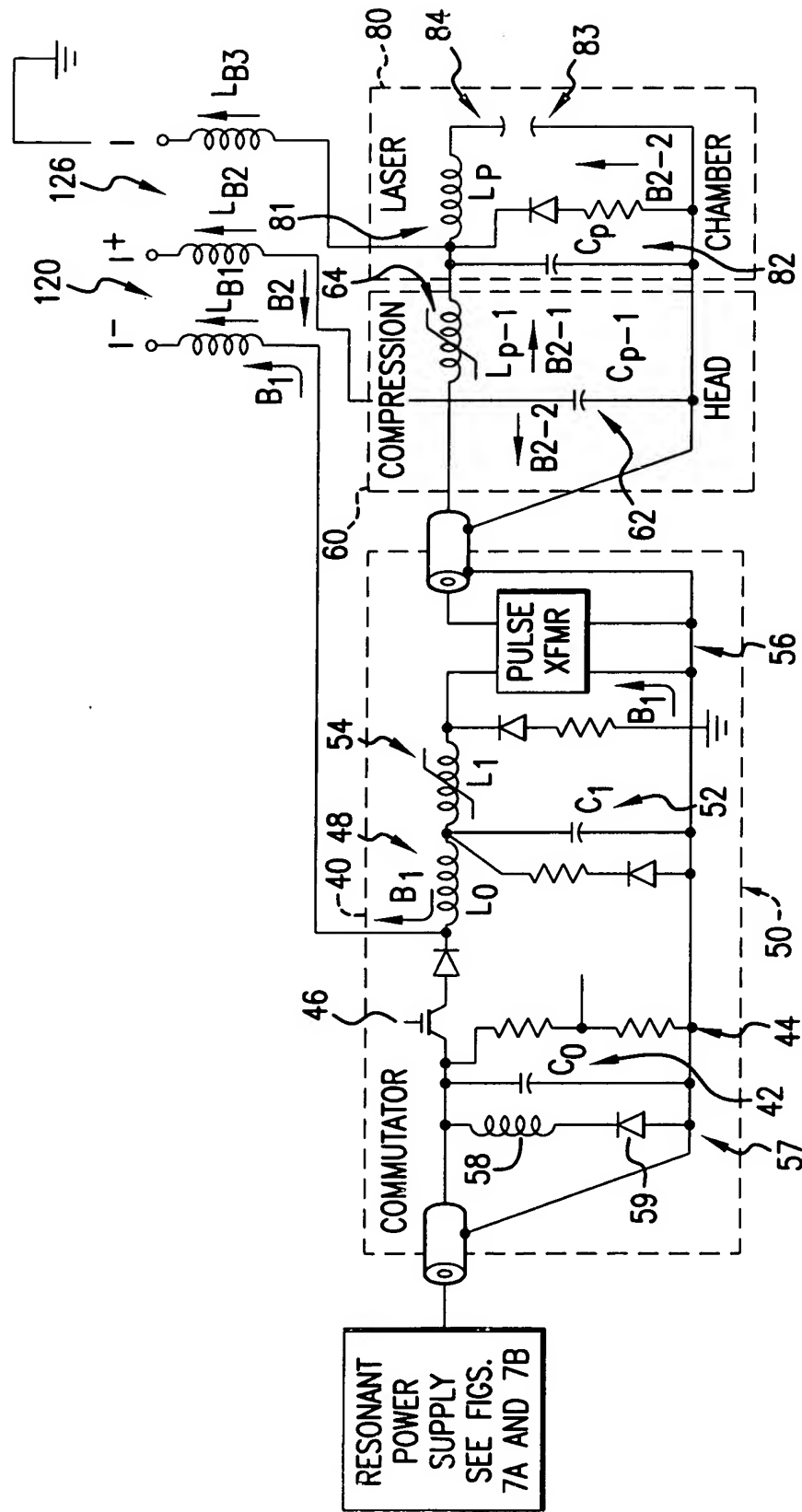
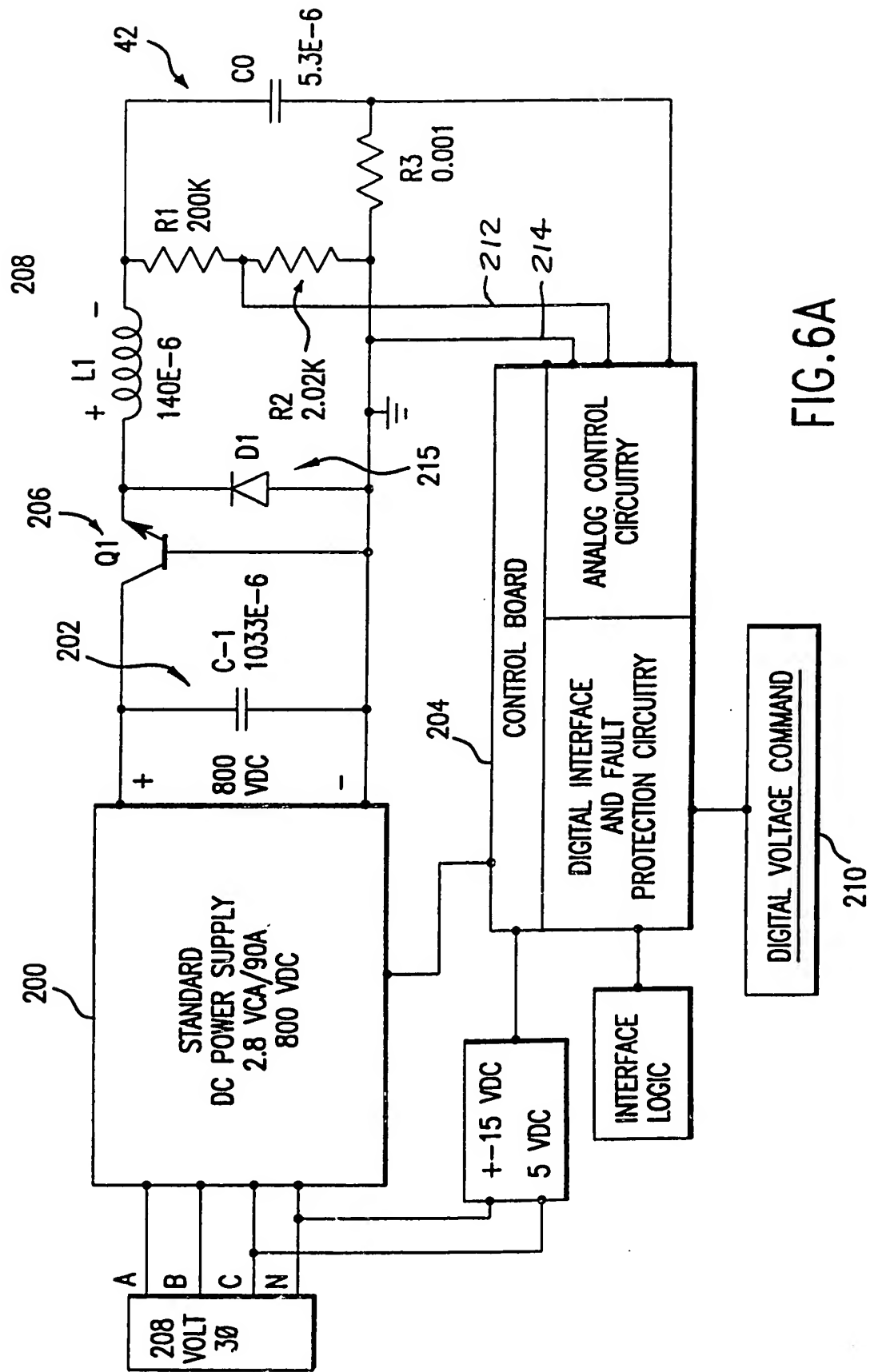


FIG. 5

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.



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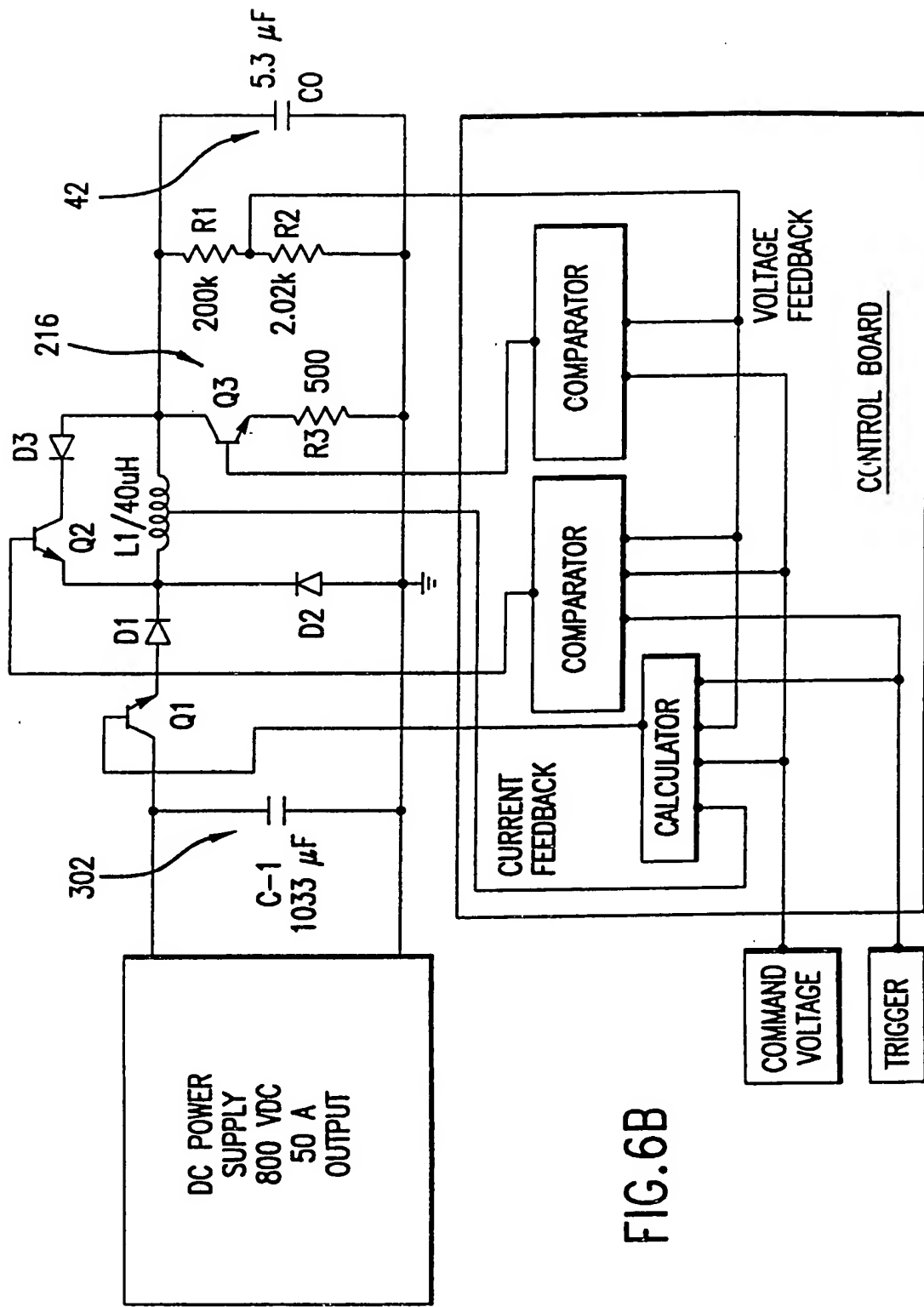
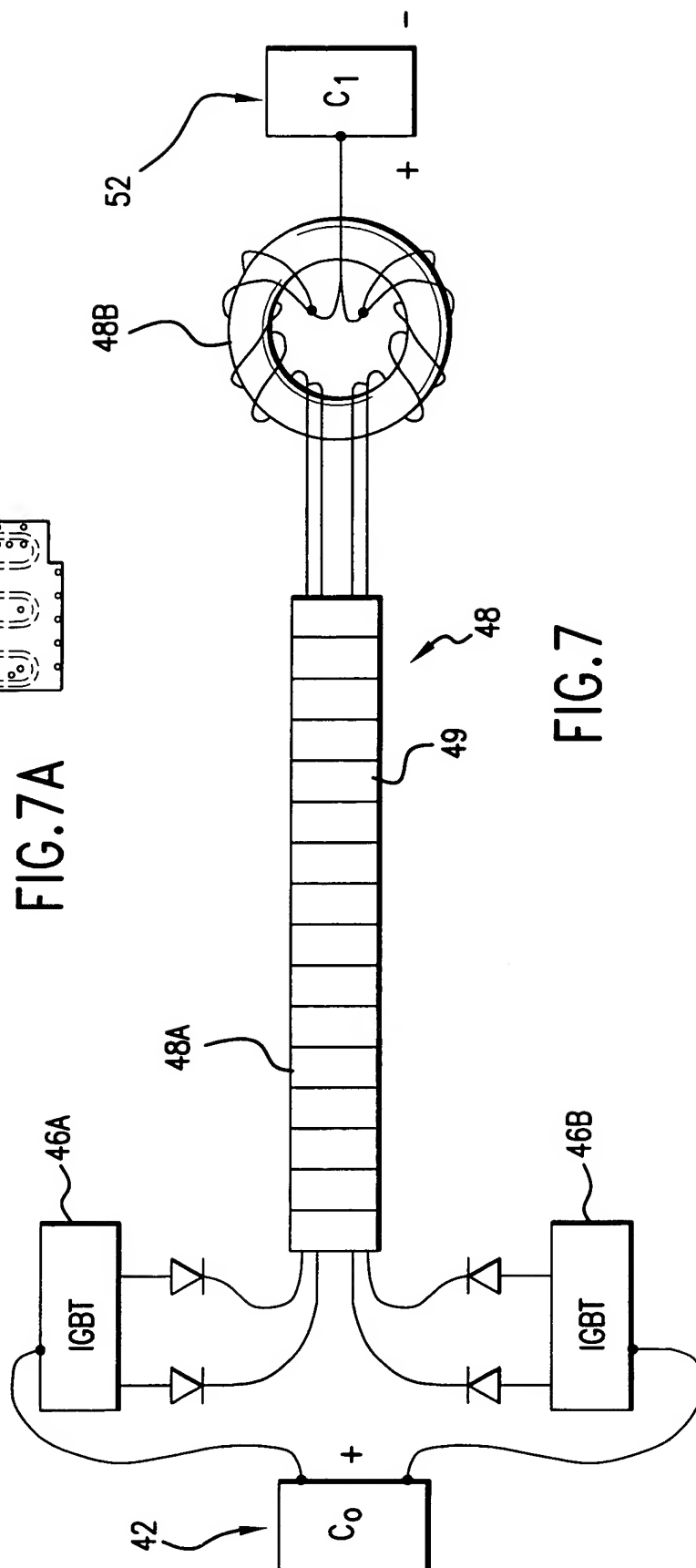
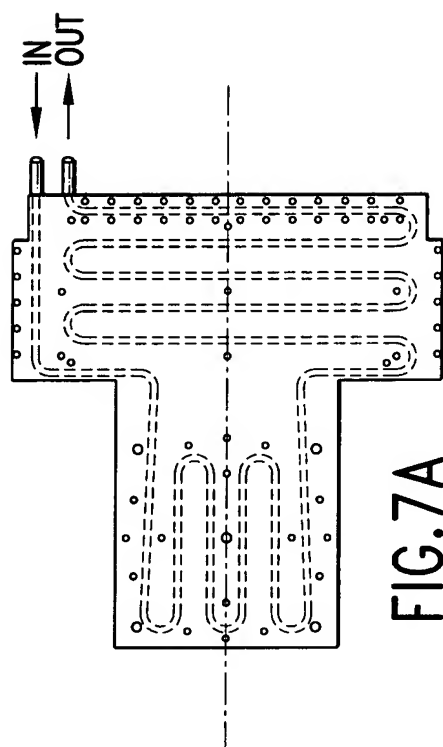


FIG. 6B





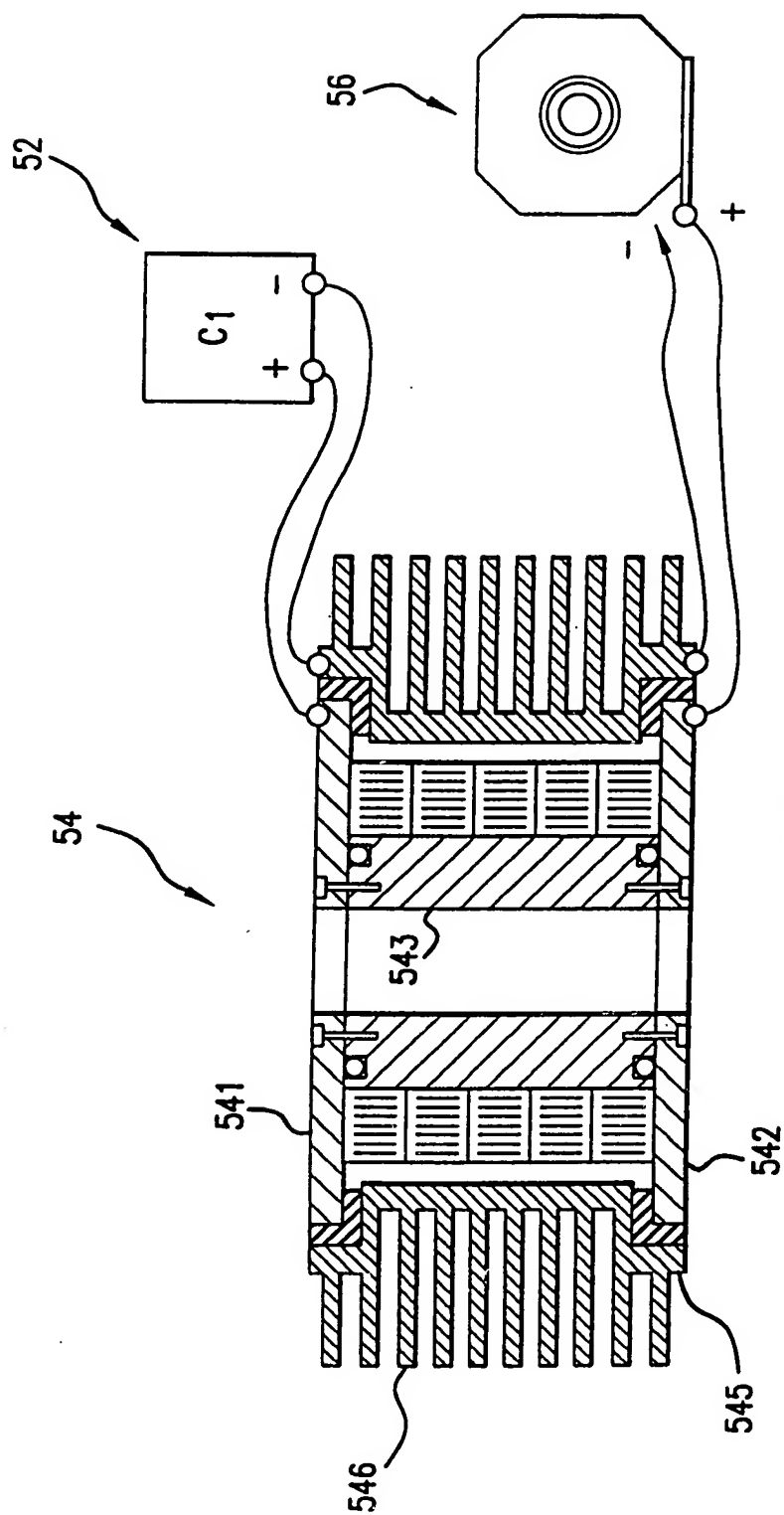


FIG.8

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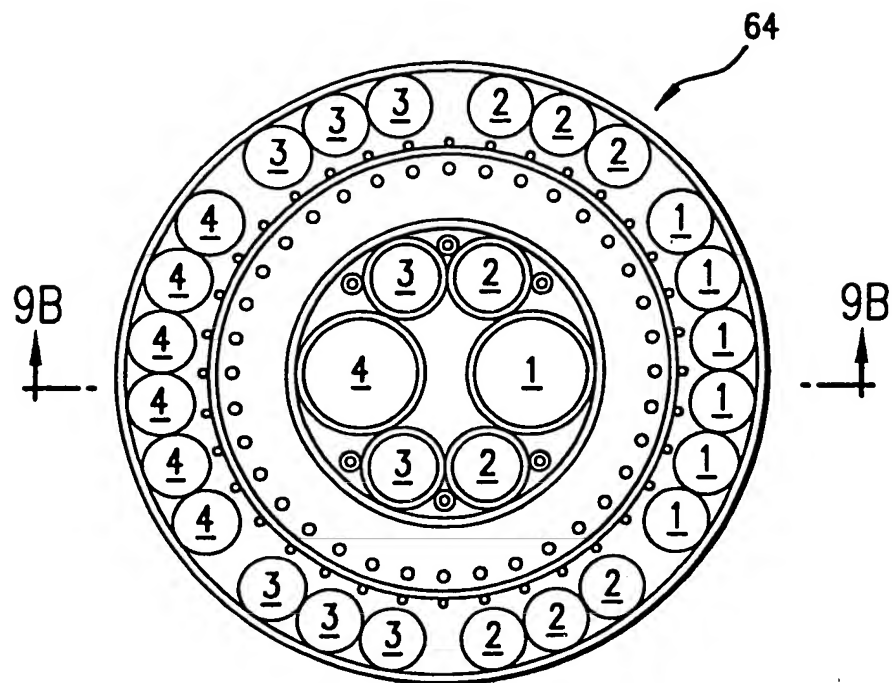


FIG. 9A

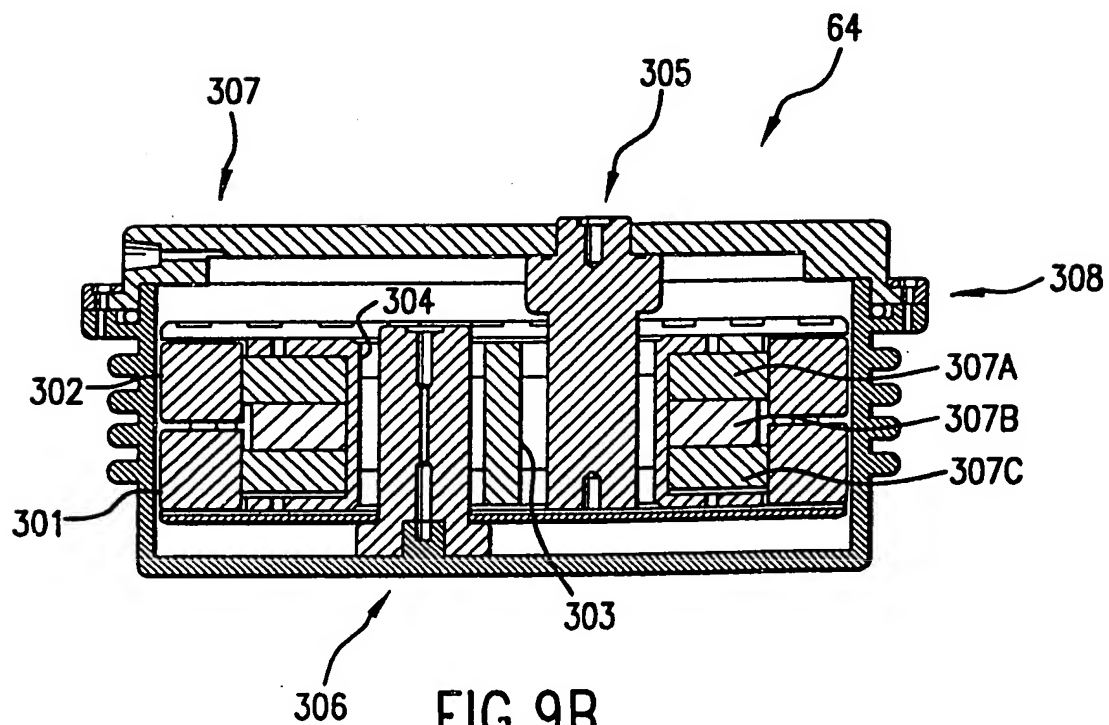


FIG. 9B

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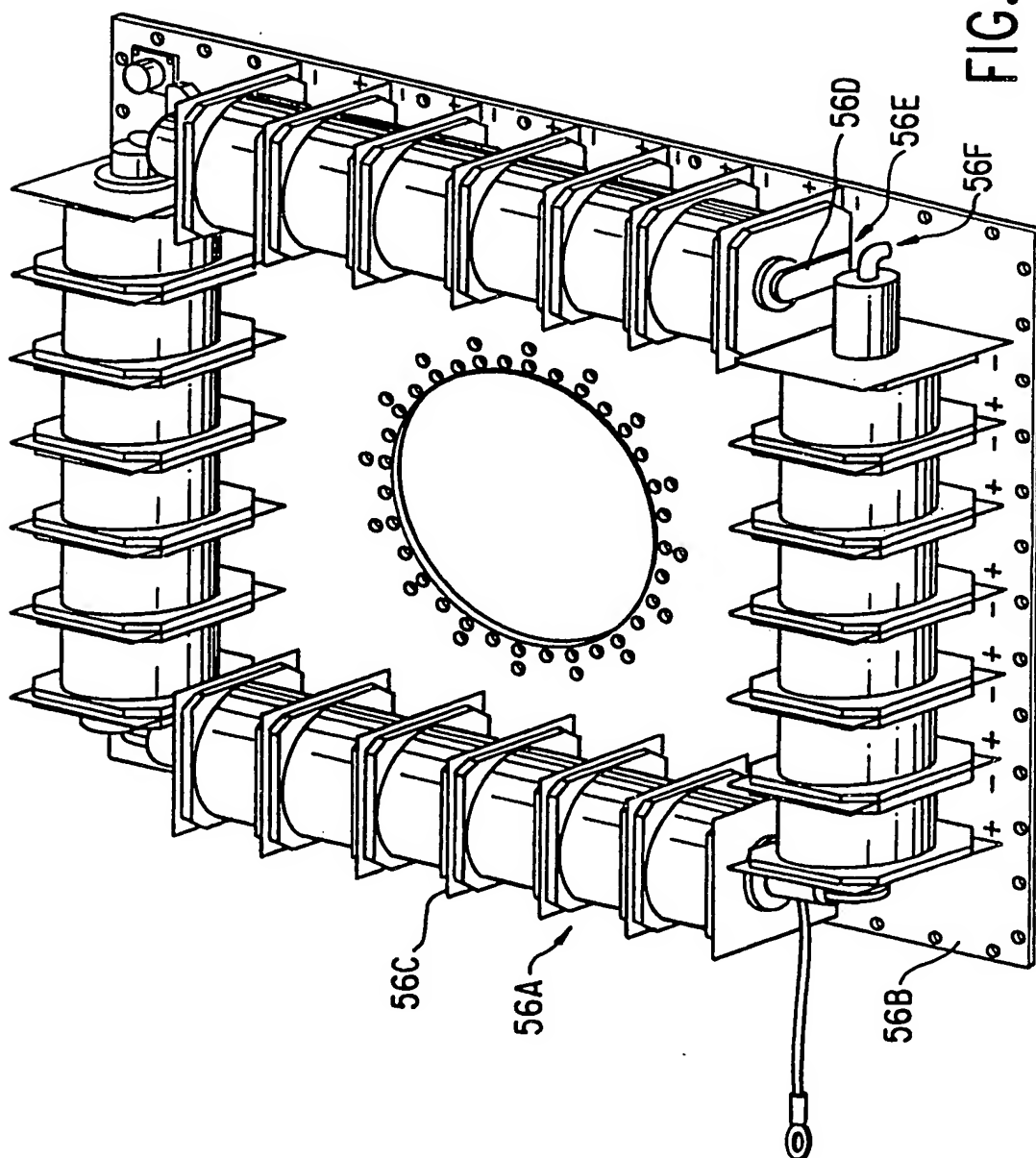


FIG.10

SCANNED, #12 ✓

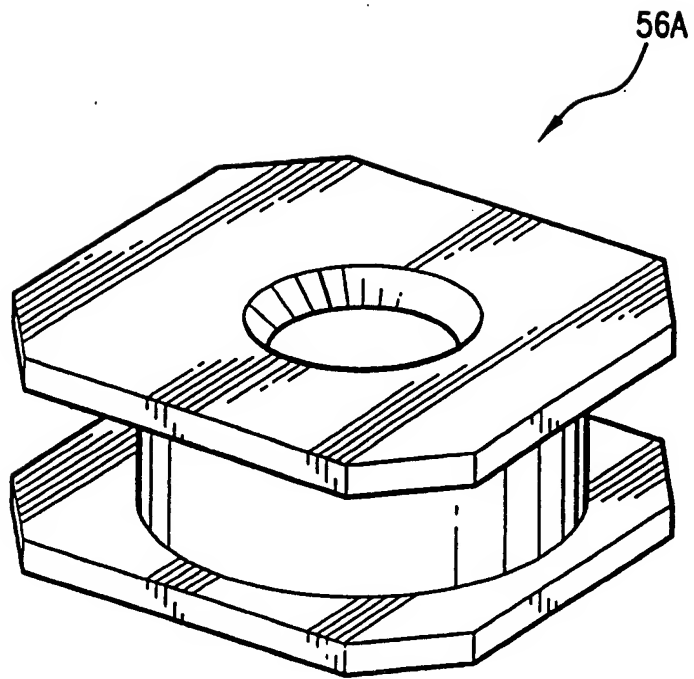


FIG.10A

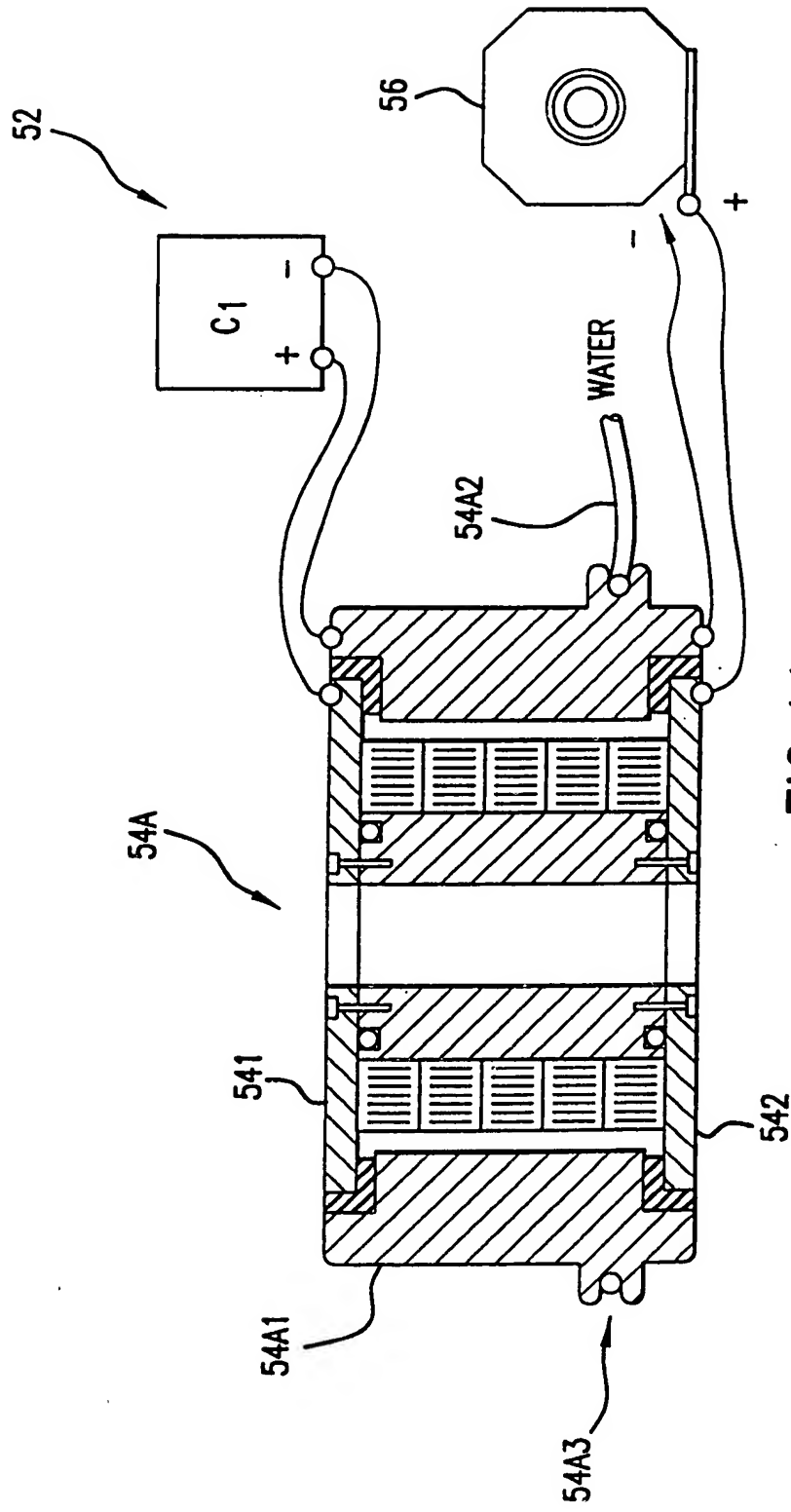
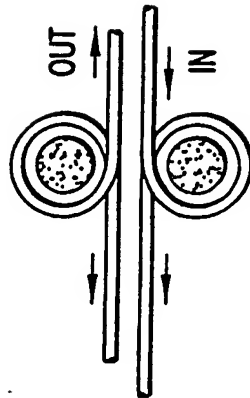
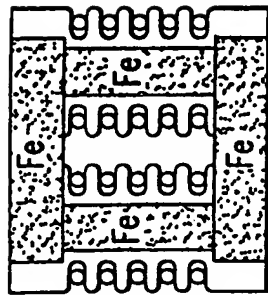
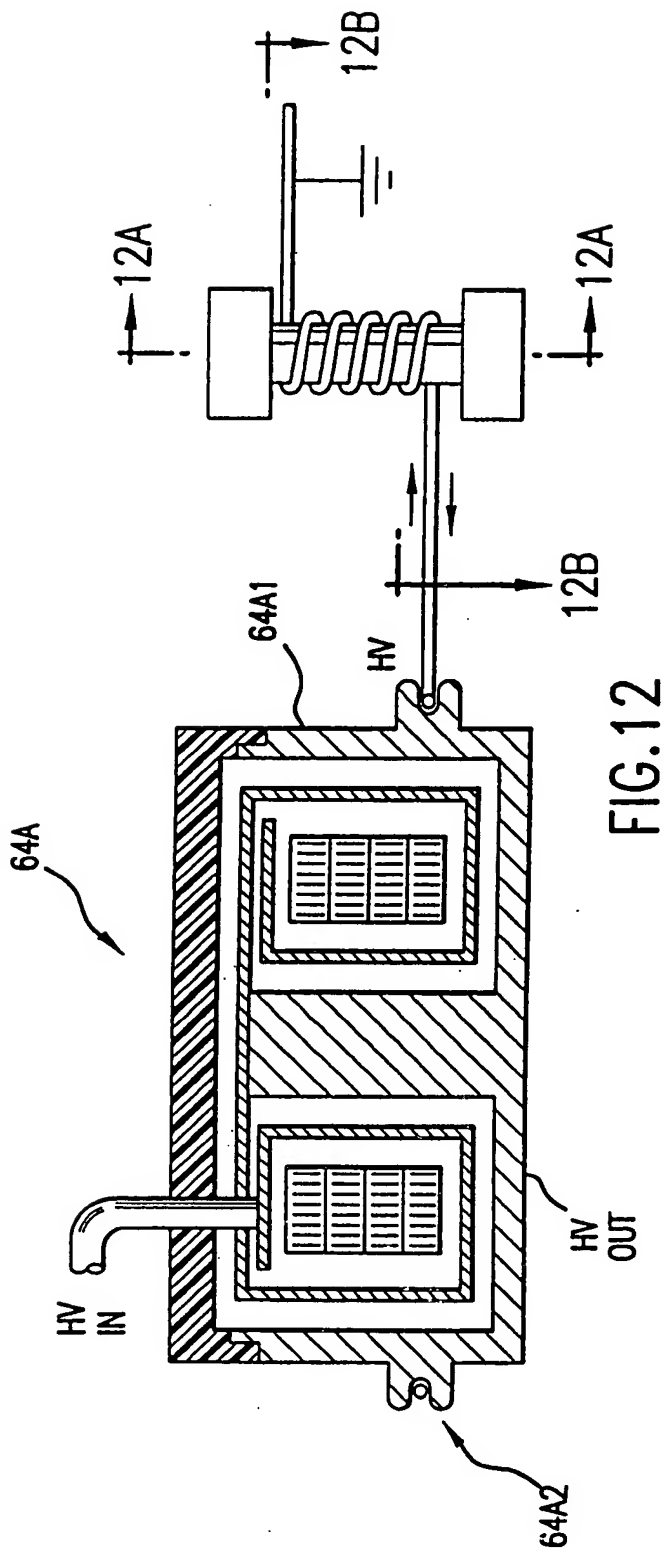


FIG.11



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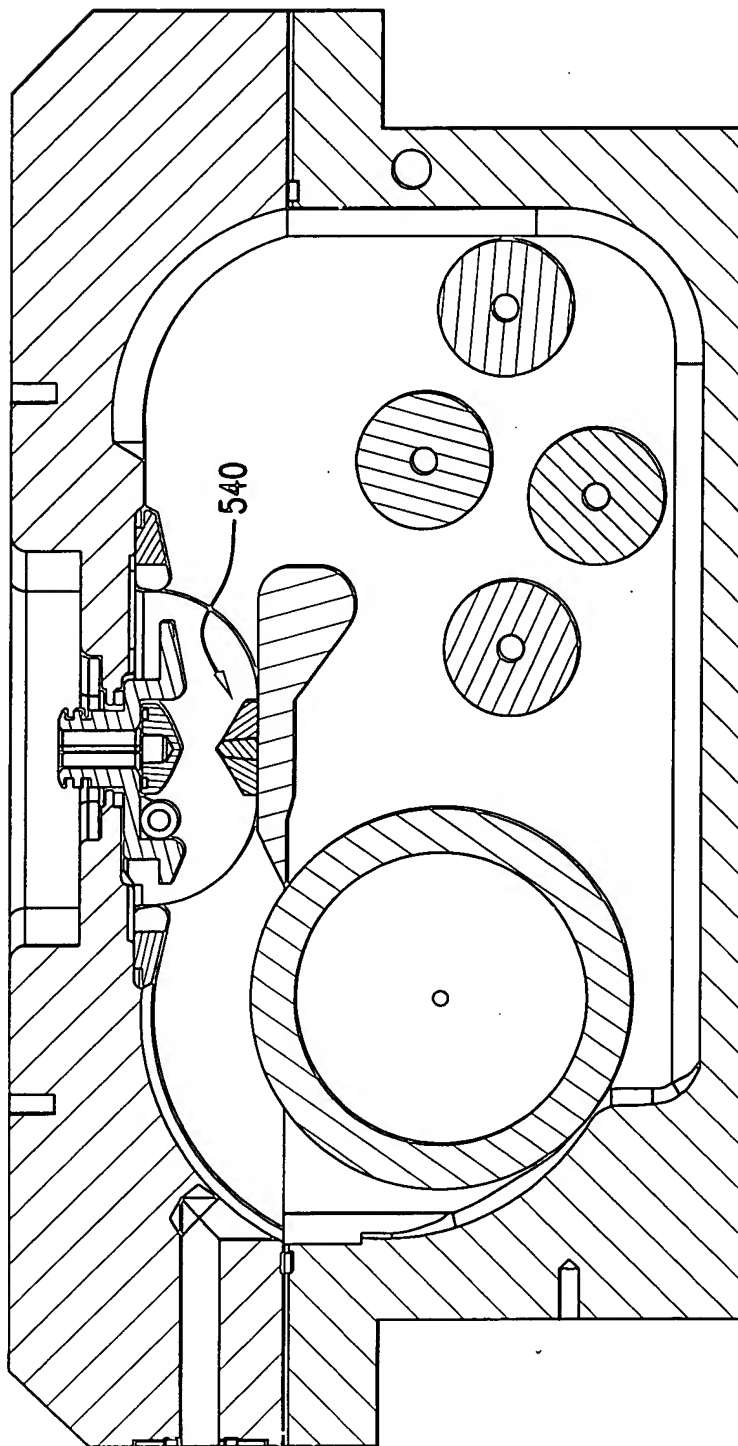


FIG. 13



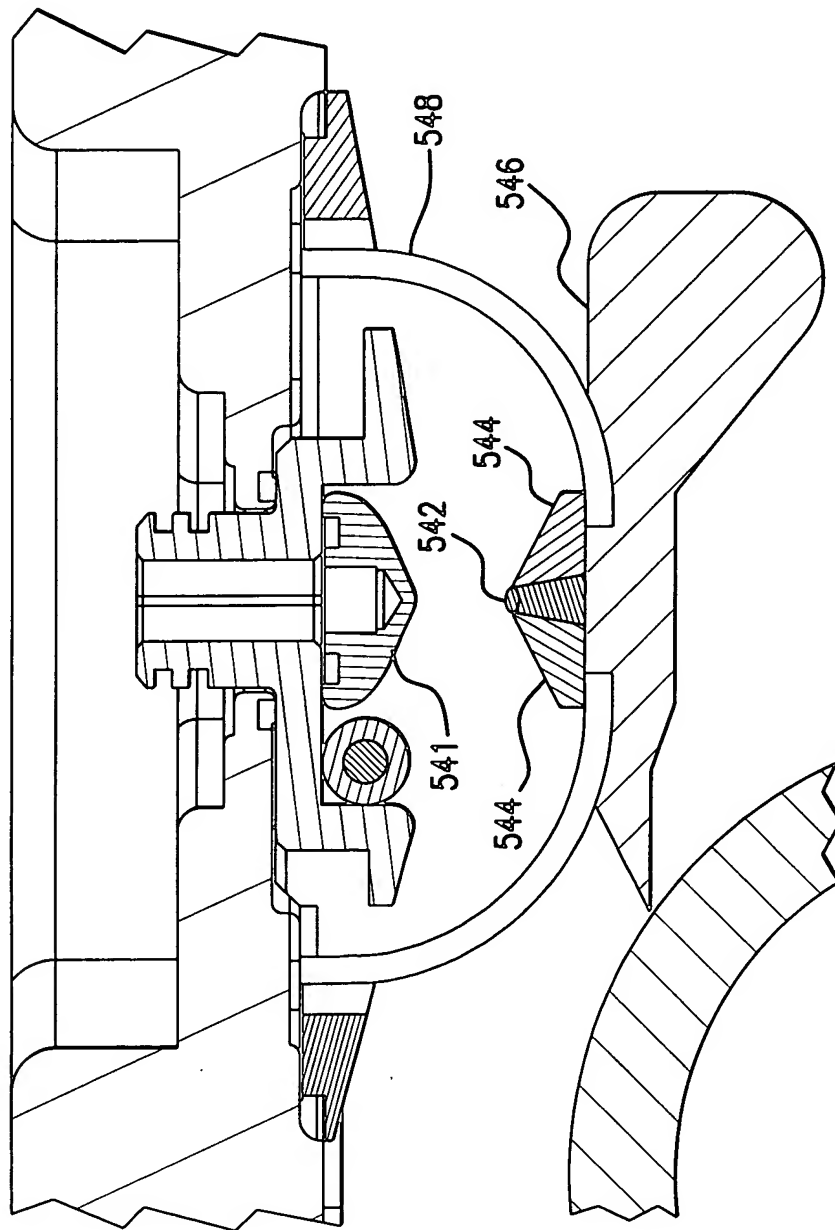


FIG. 13A(1)

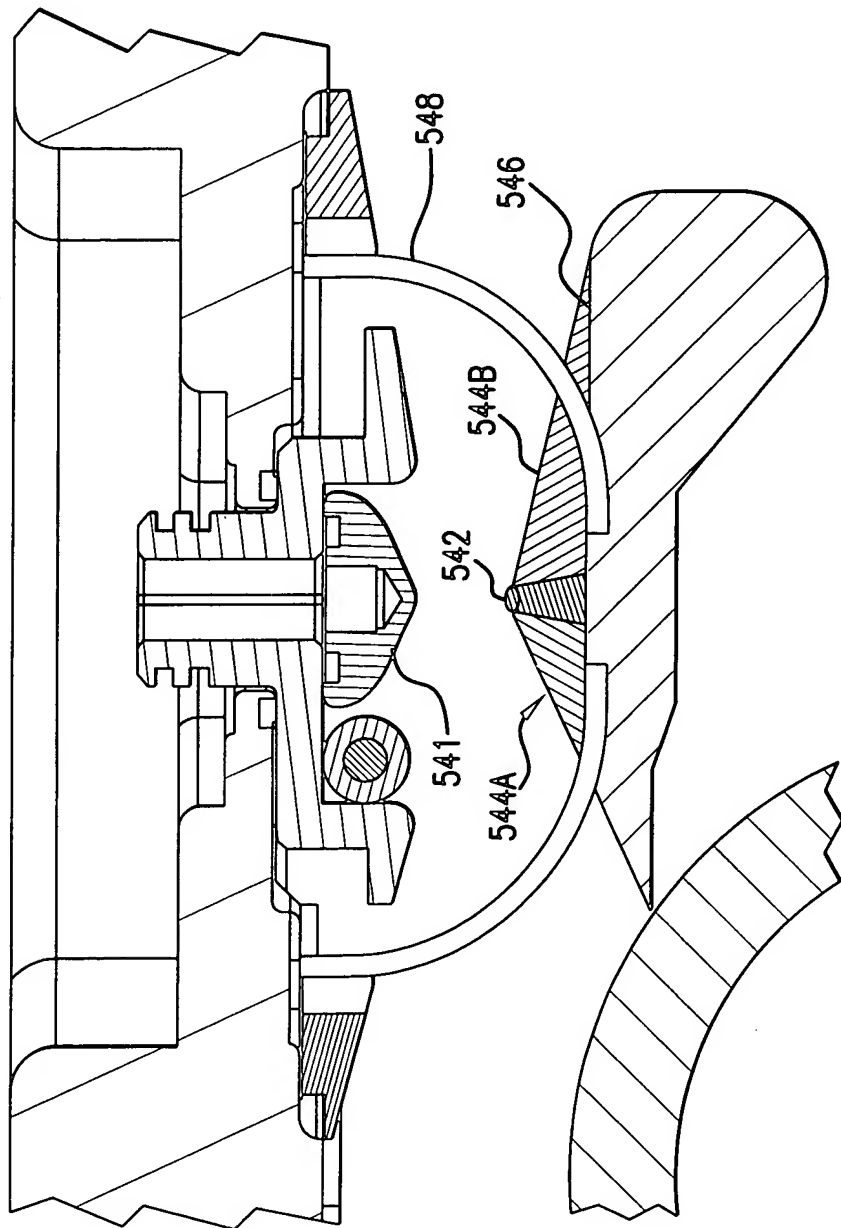


FIG. 13A(2)

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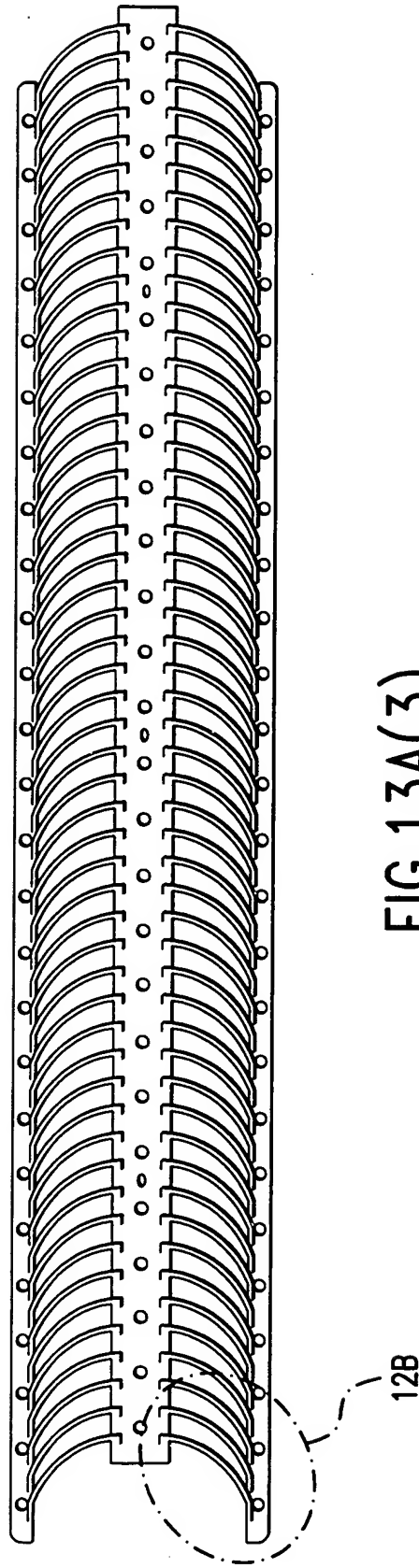


FIG.13A(3)

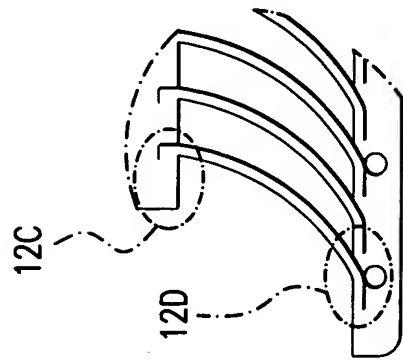


FIG. 13A(4)

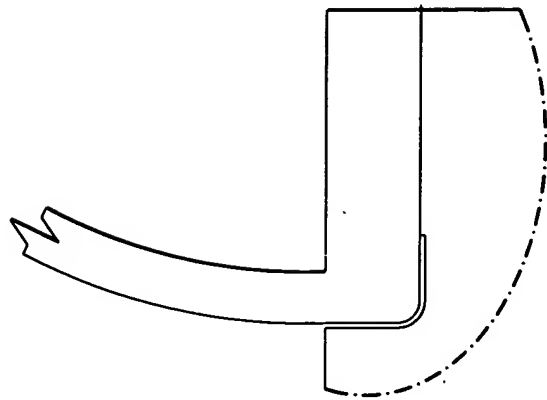


FIG. 13A(5)

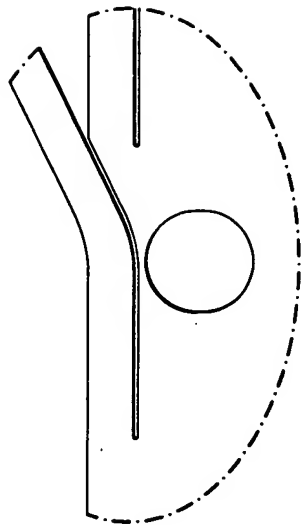


FIG. 13A(6)

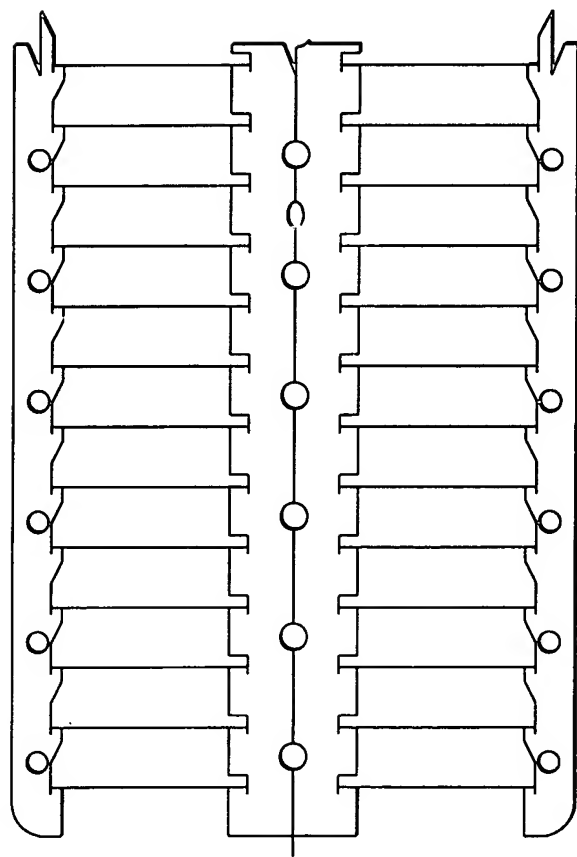


FIG. 13A(7)

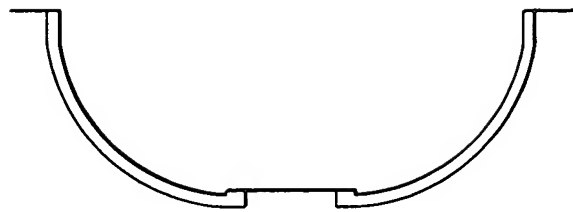


FIG. 13A(8)

SCANNED. #12

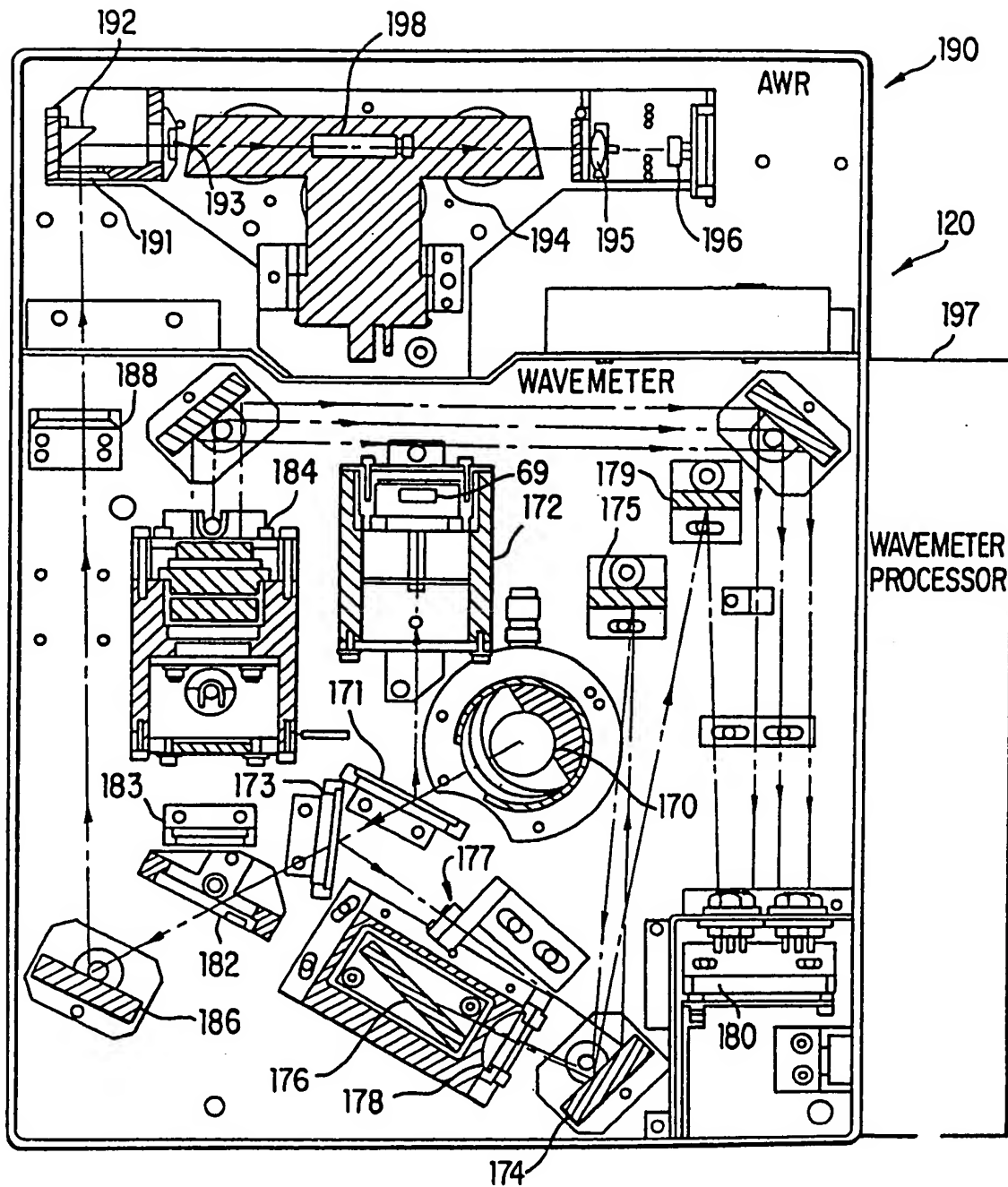


FIG. 14

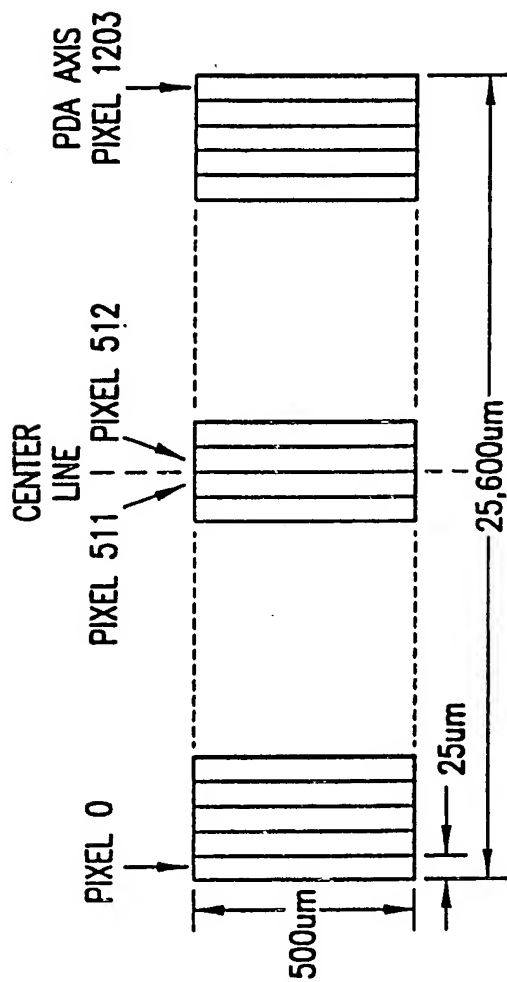


FIG.14A

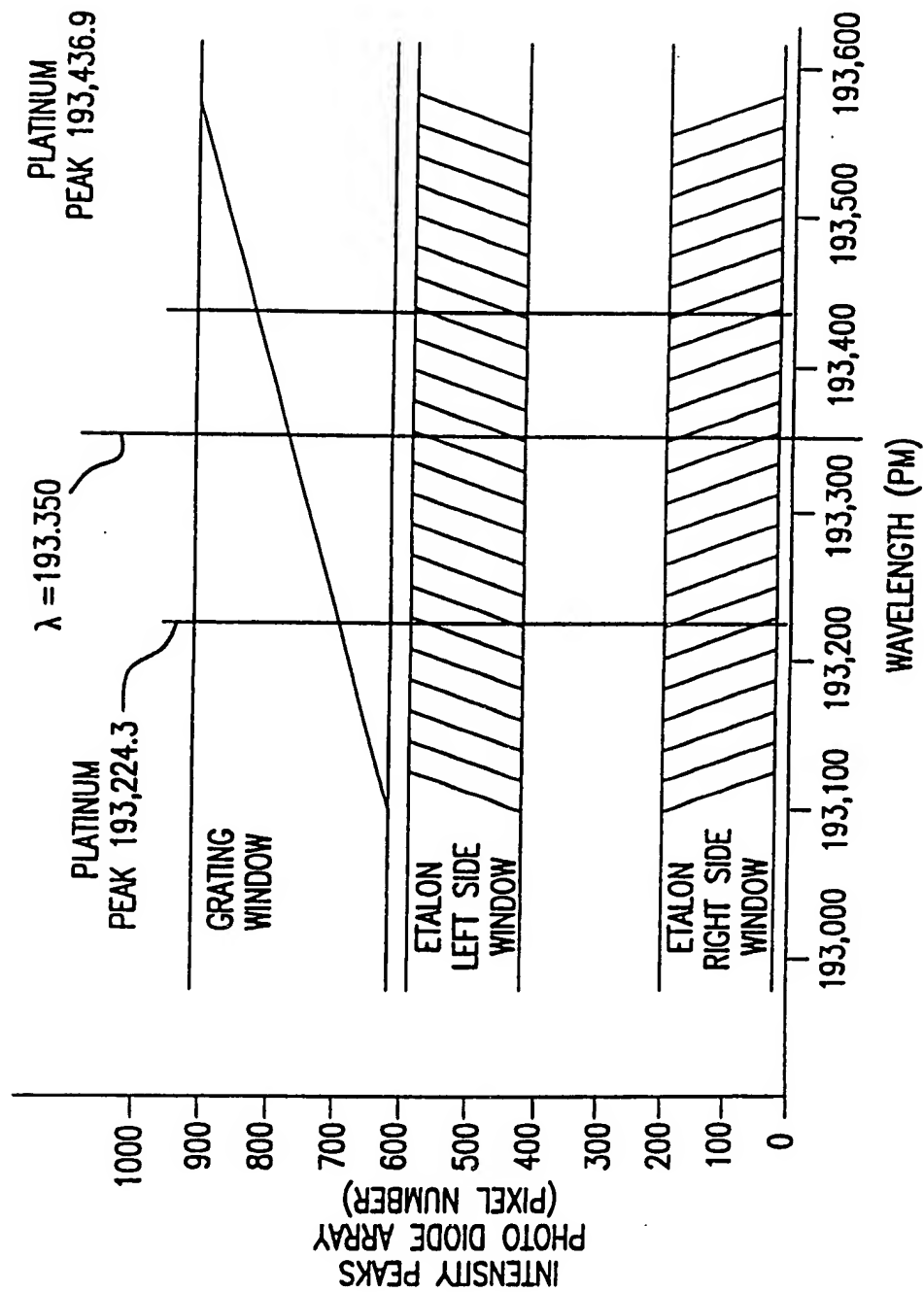


FIG.14B



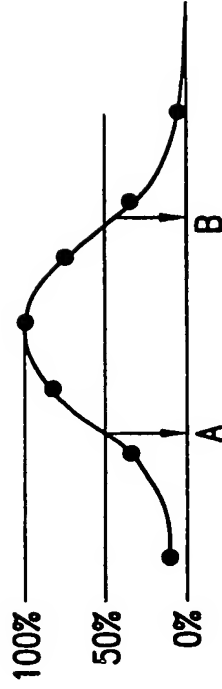


FIG.14C

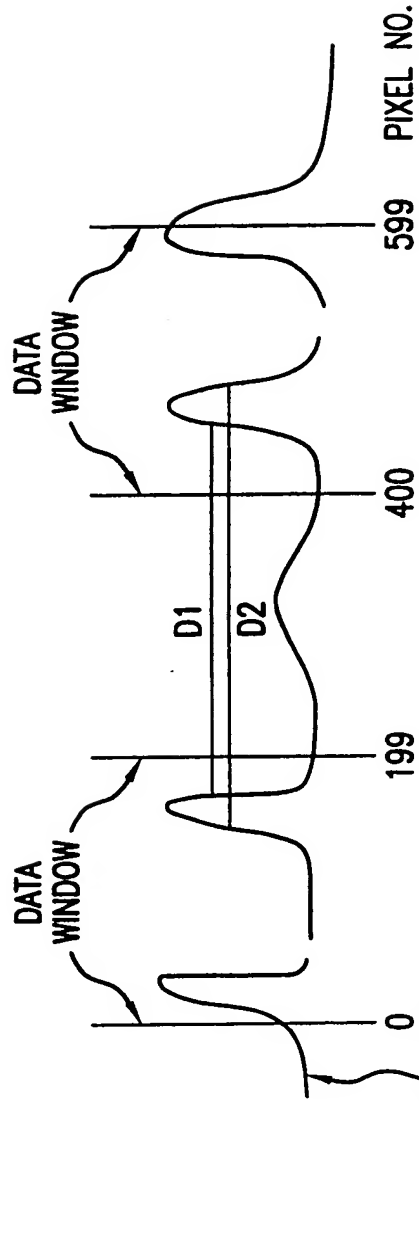


FIG.14D

ANNEX, # 12

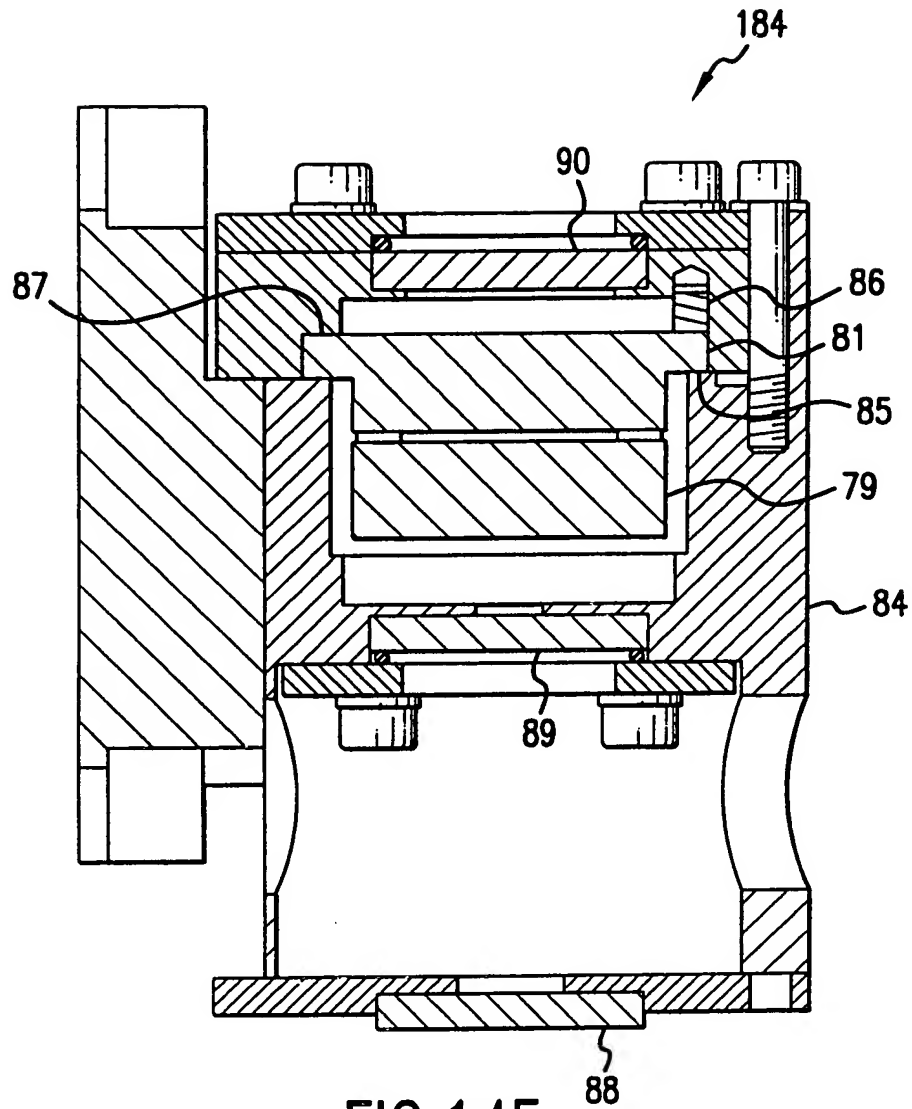


FIG. 14E

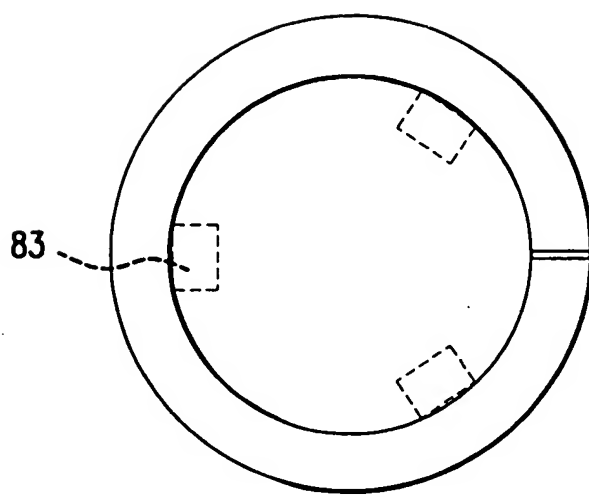


FIG. 14F

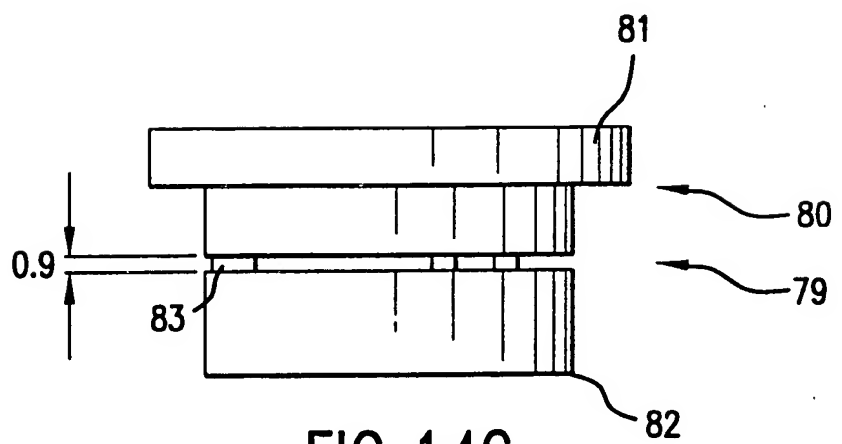


FIG. 14G

SCANNED, #12 ✓

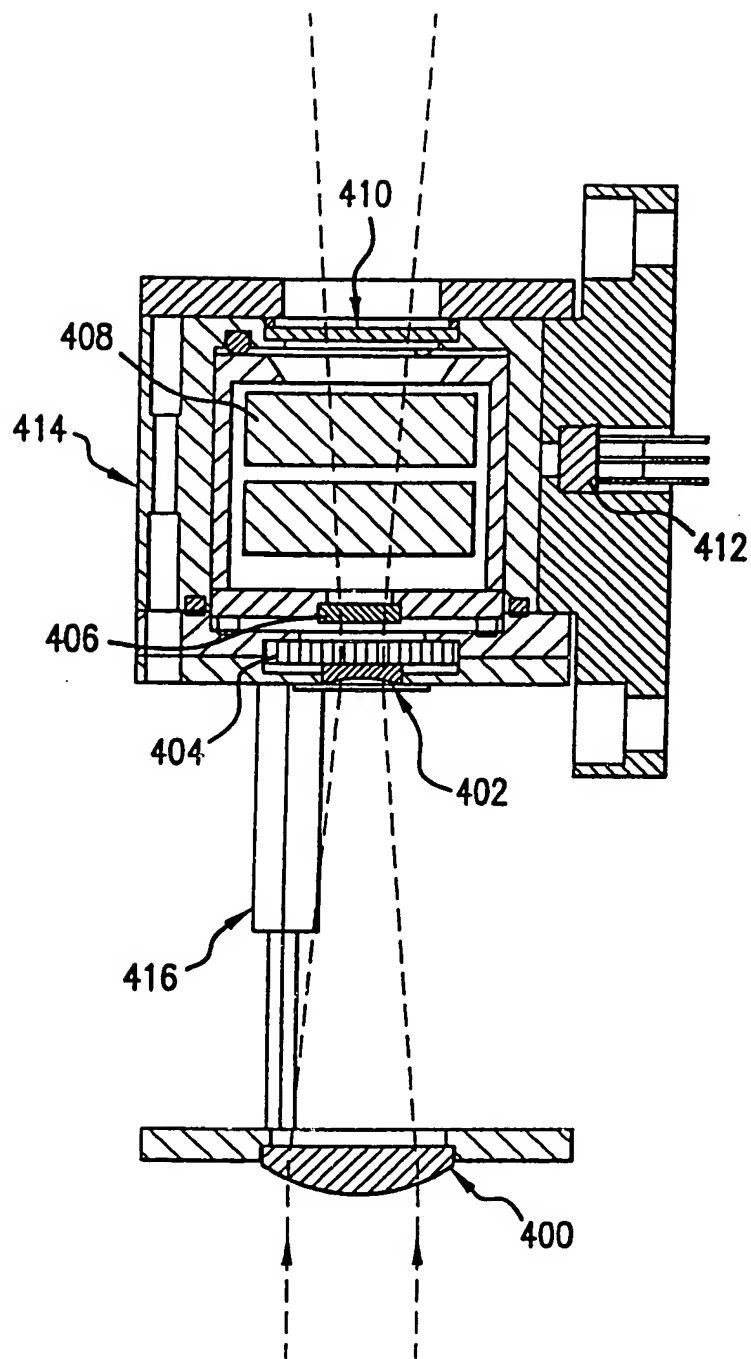


FIG.14H

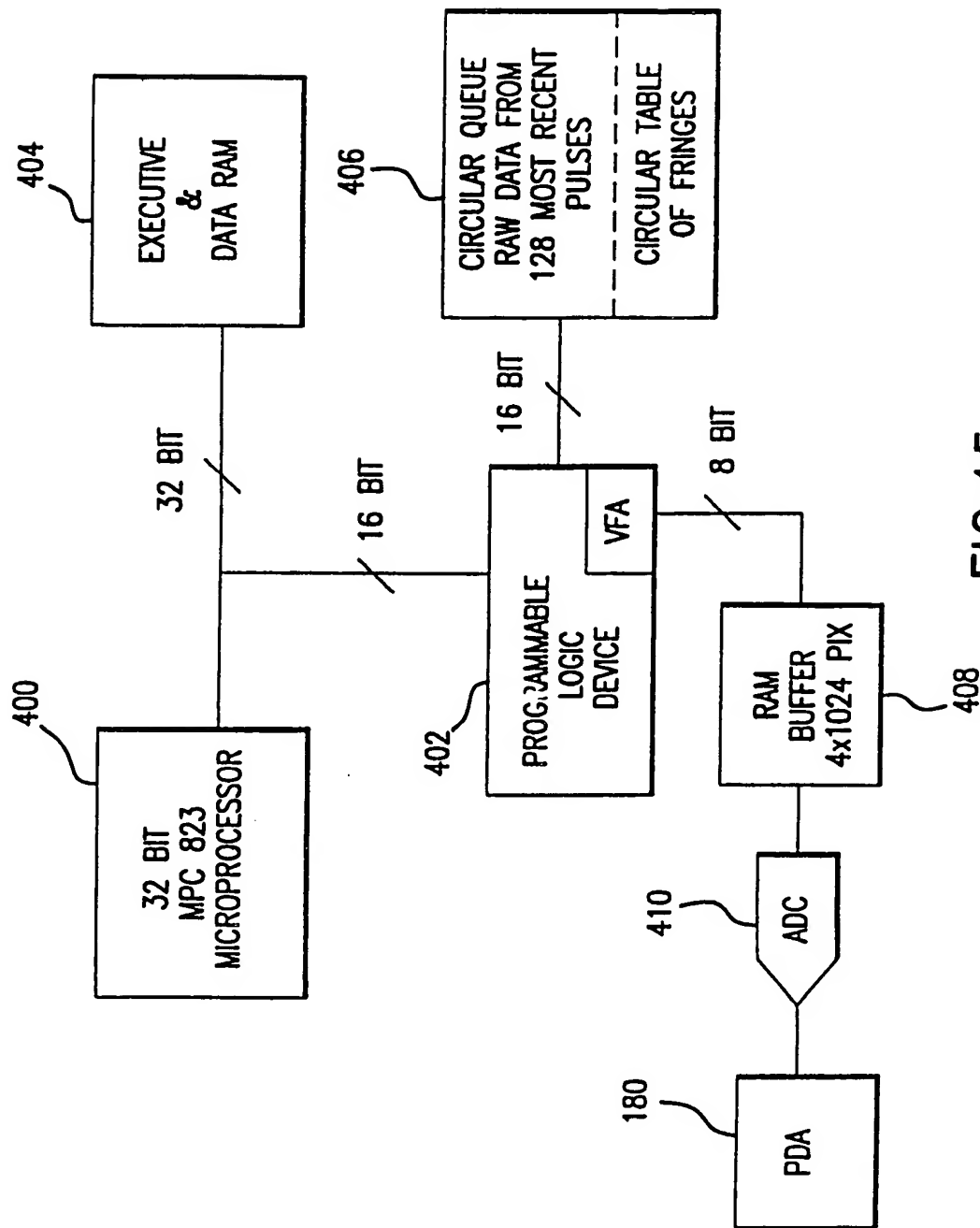


FIG.15

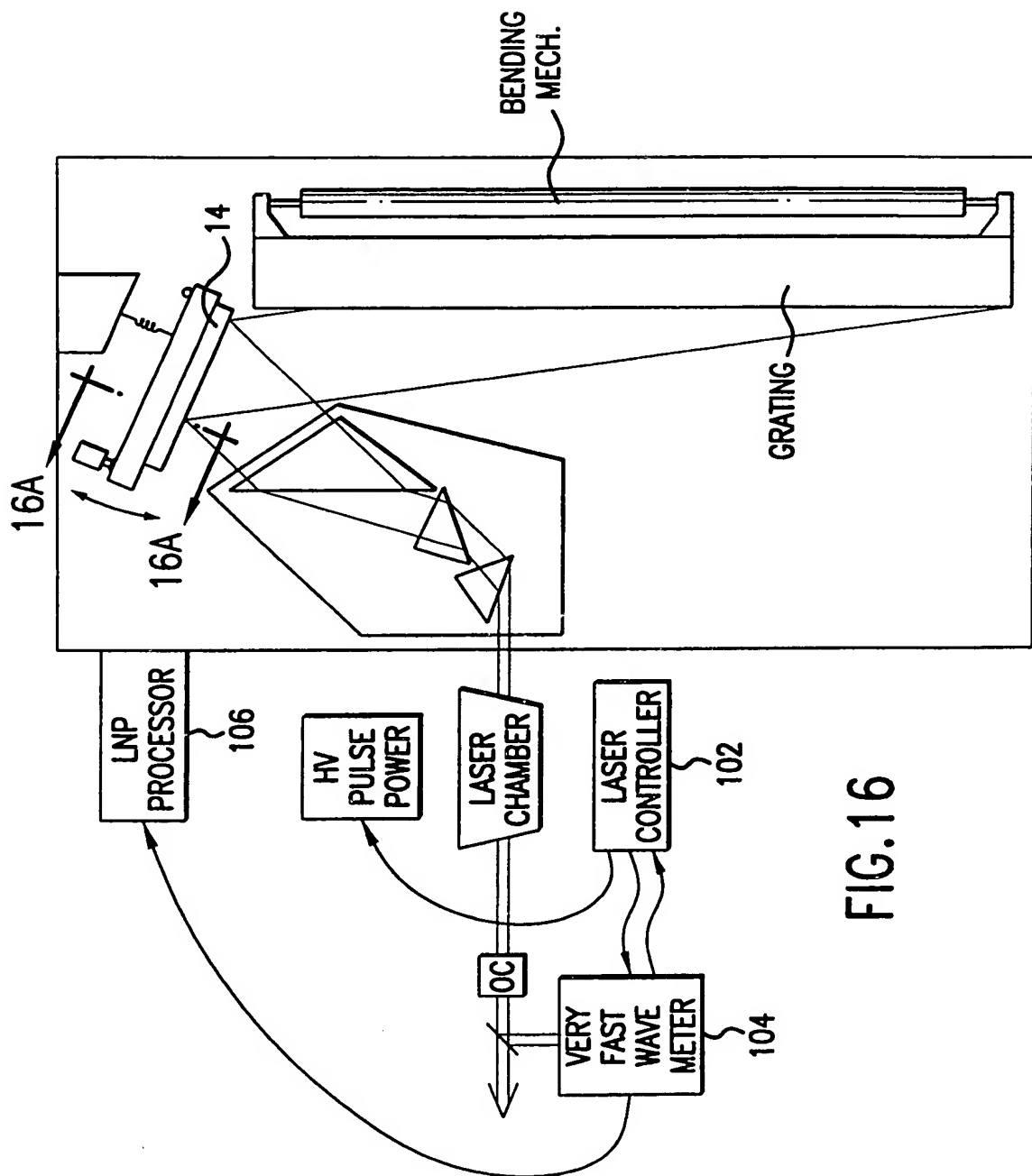


FIG.16

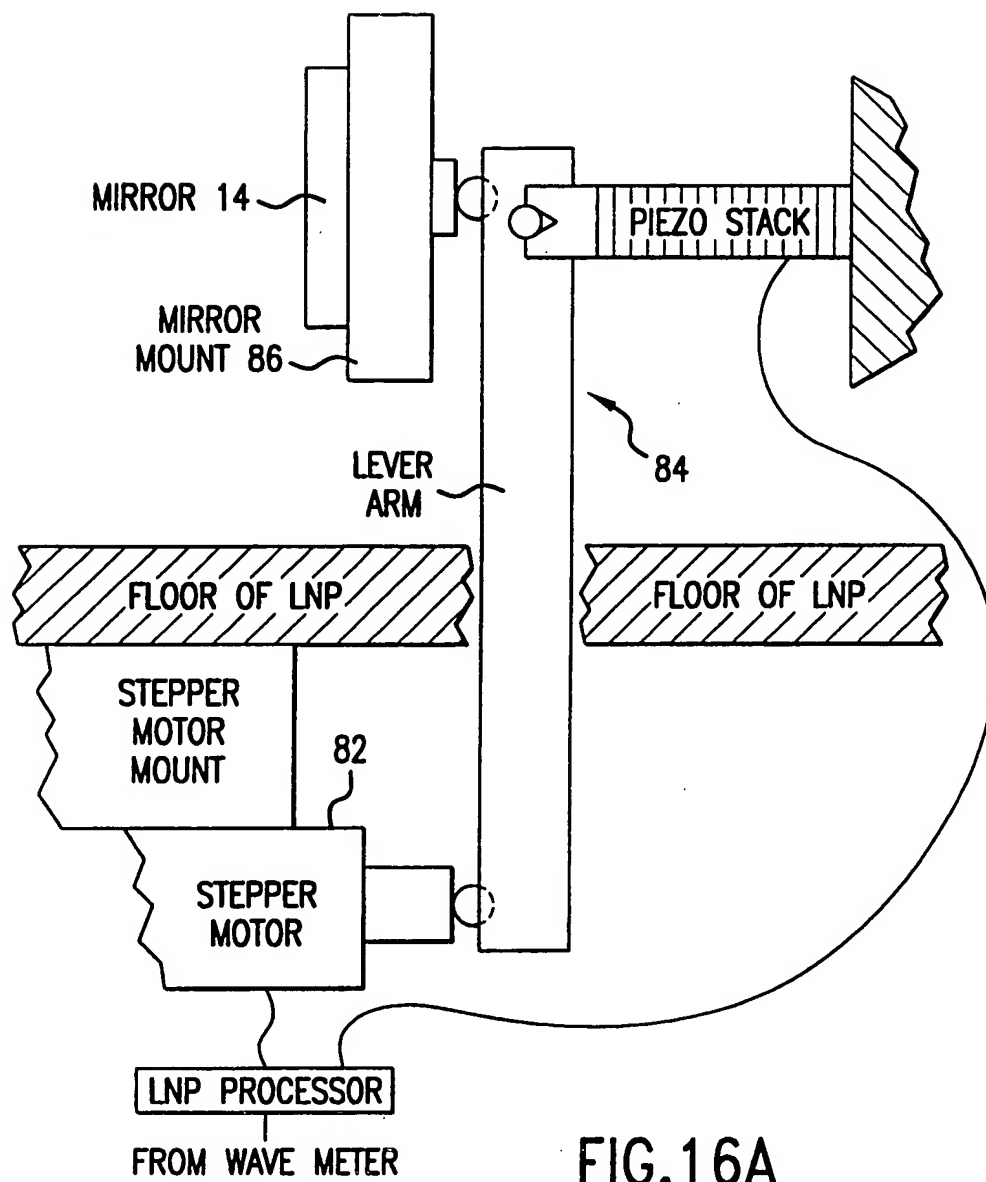


FIG.16A

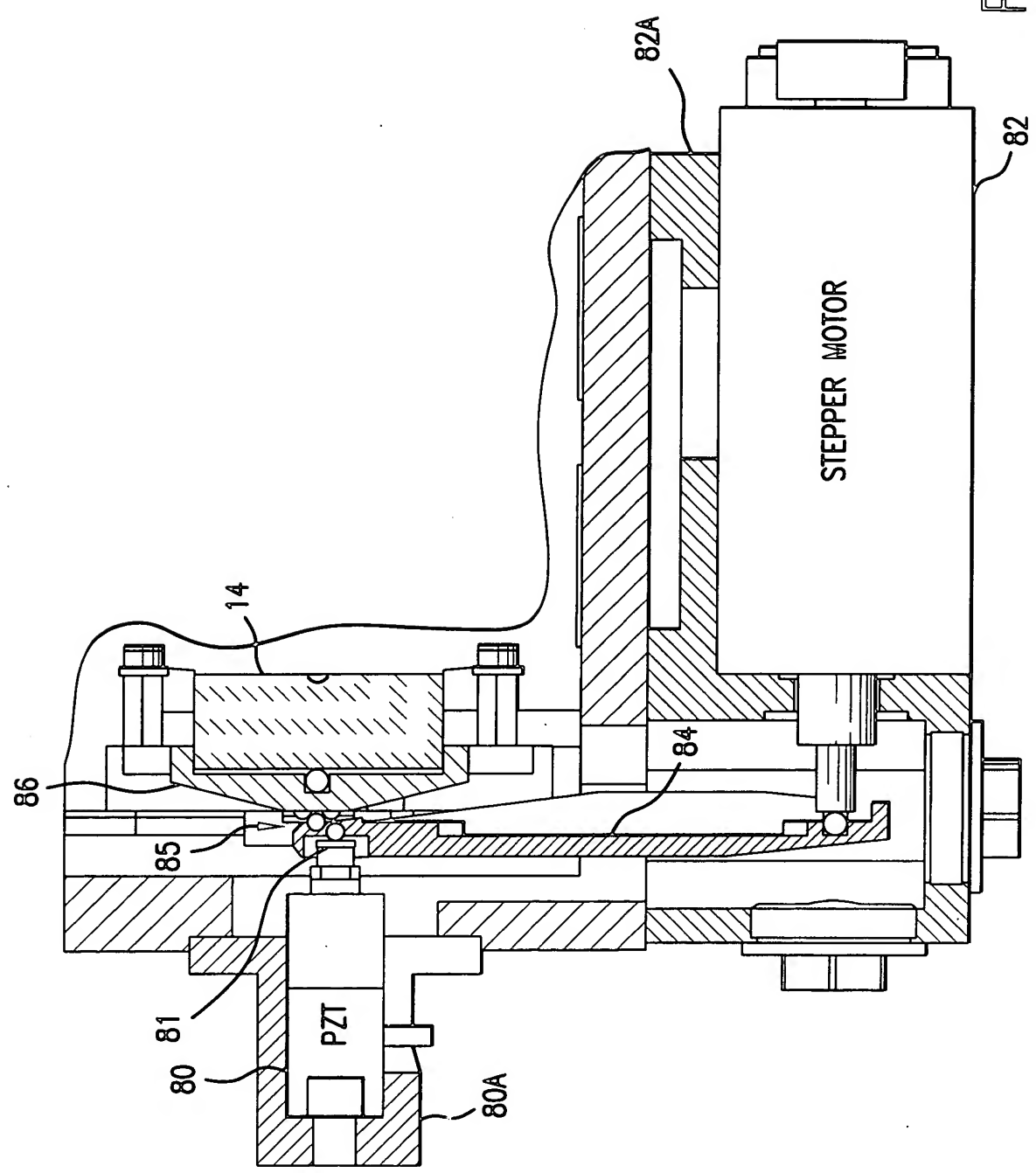


FIG. 16B1



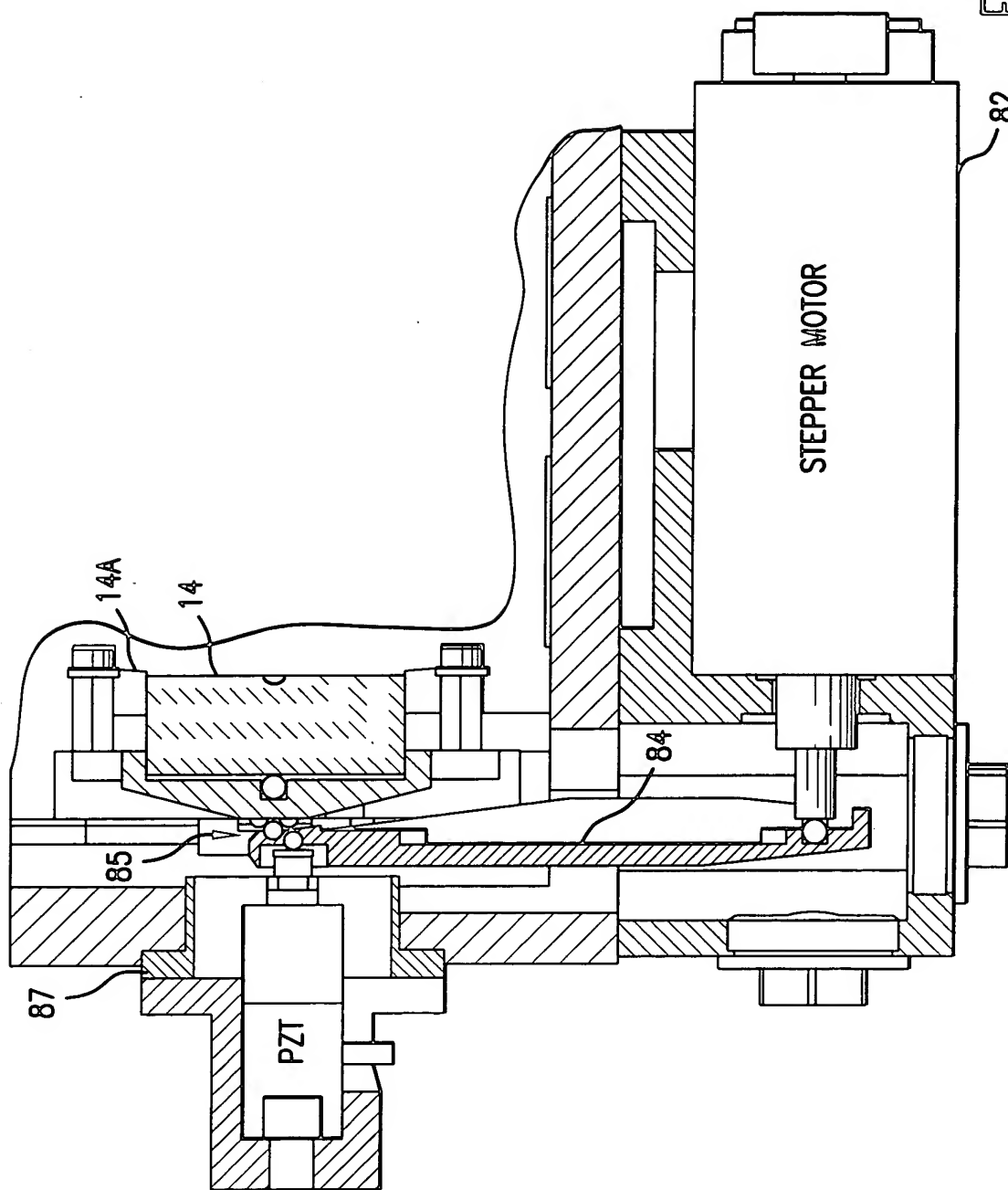


FIG. 16B2

208050" 2'39E03"

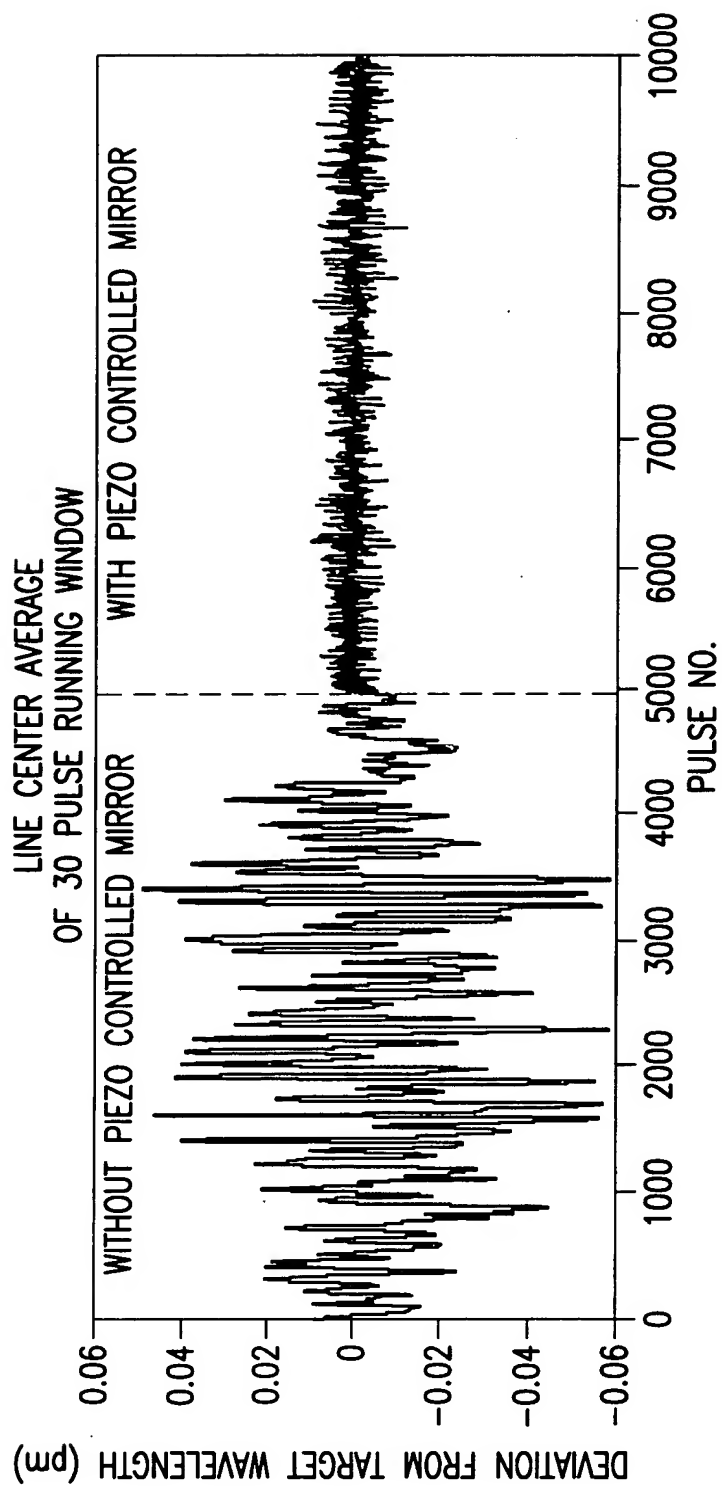
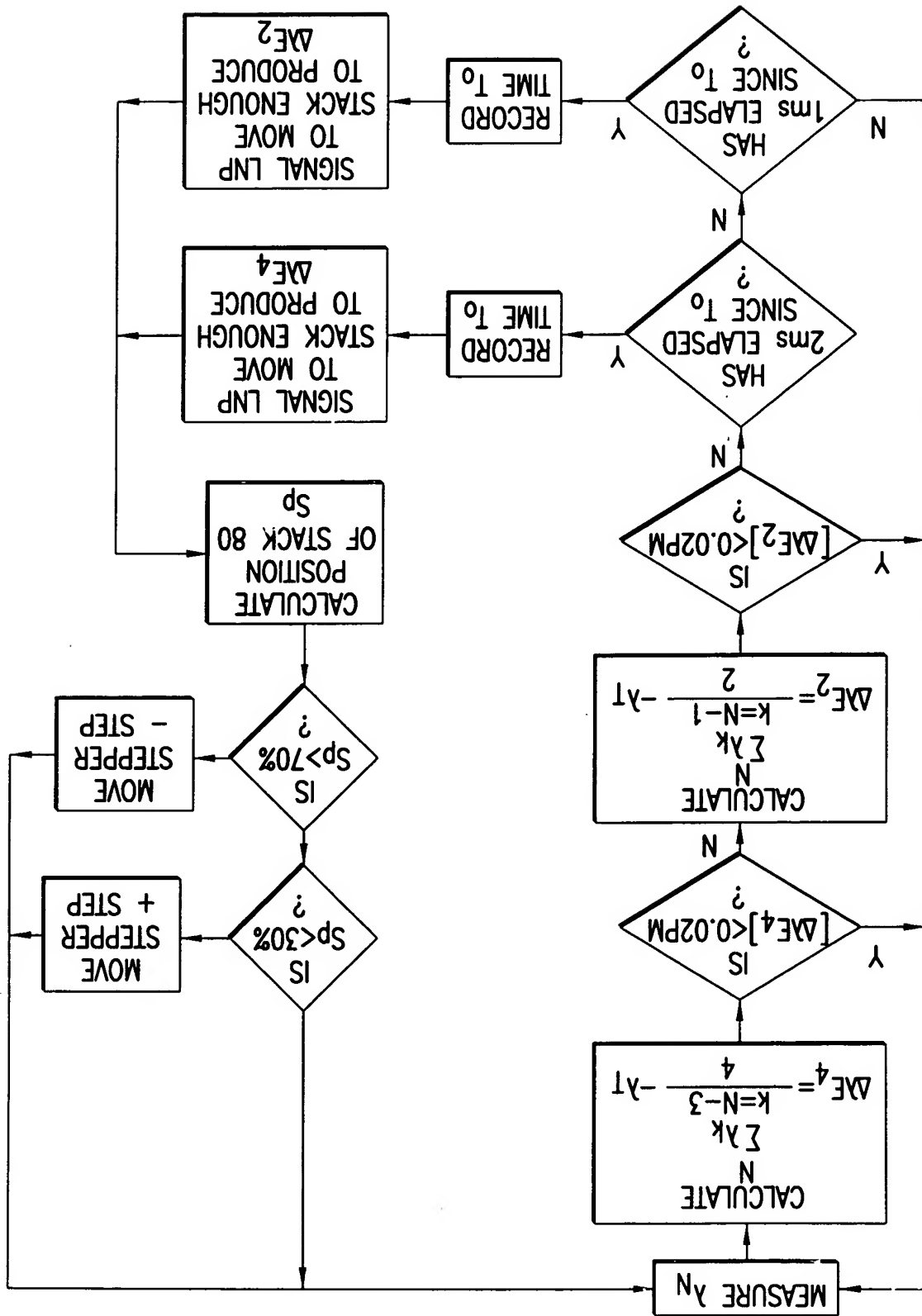


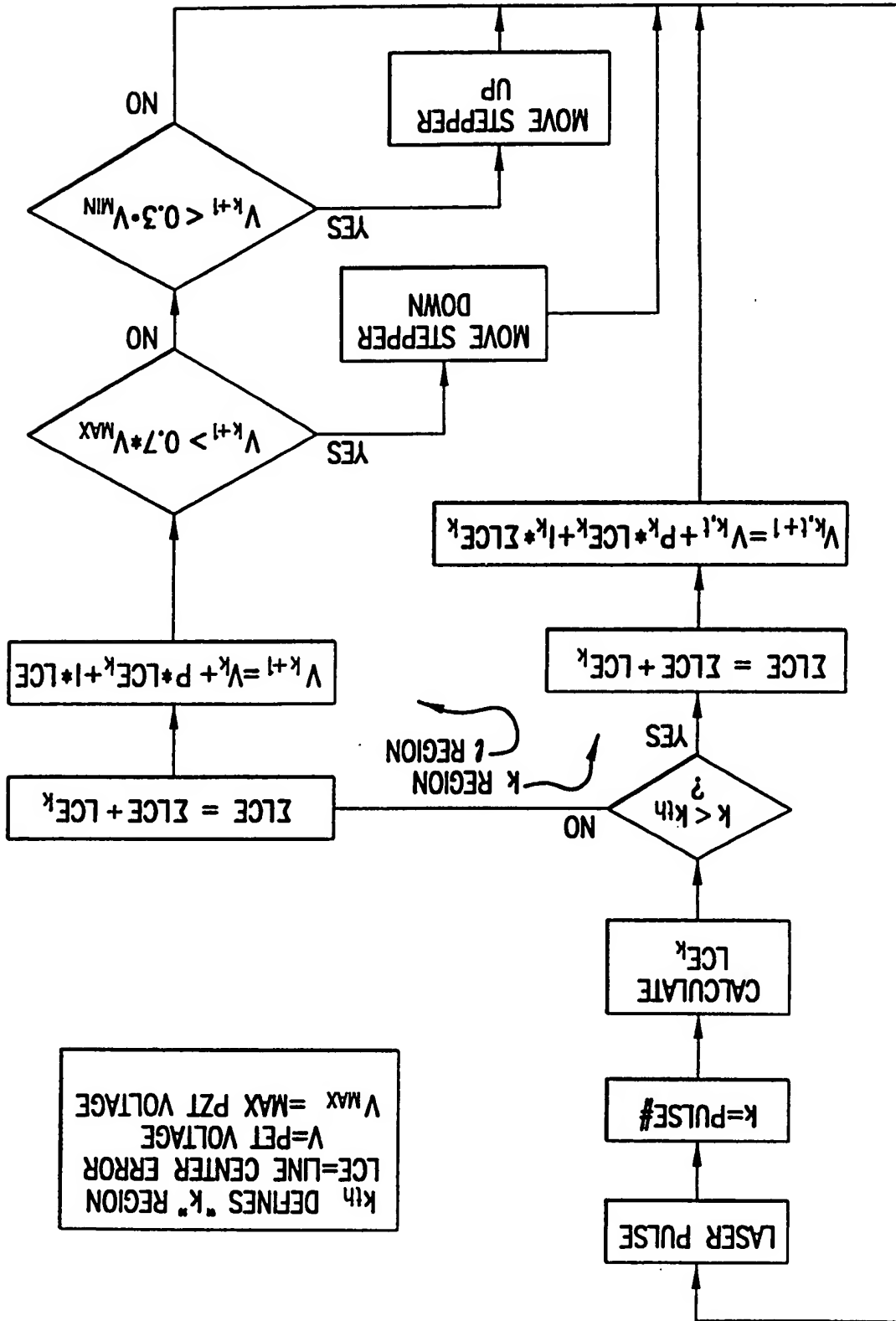
FIG.16C

FIG. 16D



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FIG. 16E



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FIG. 17A

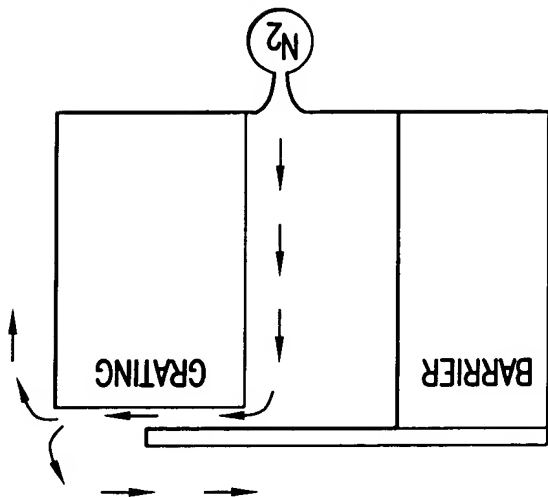


FIG. 17

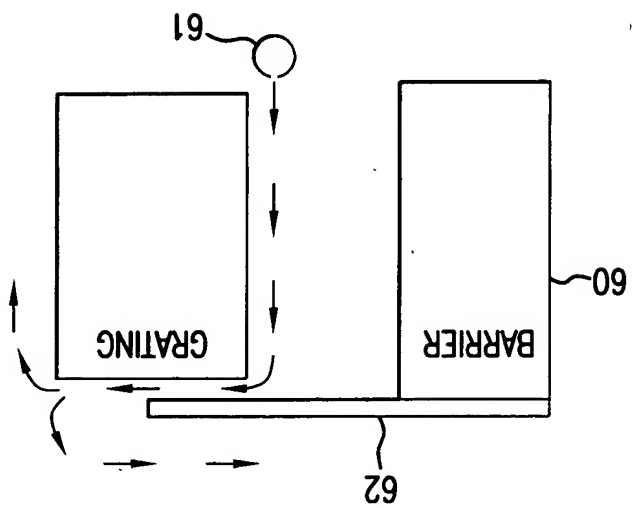


FIG. 17C

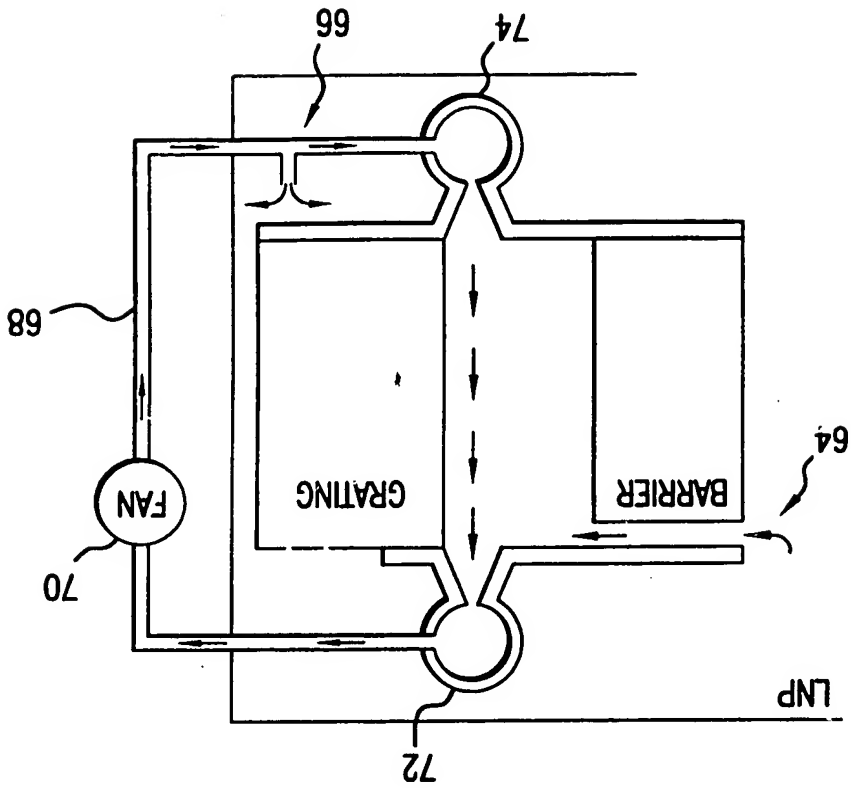
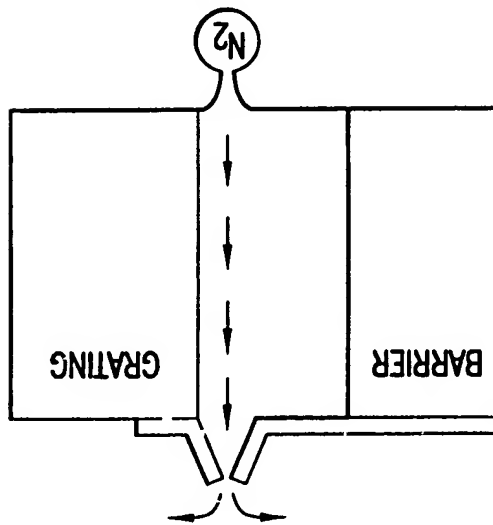
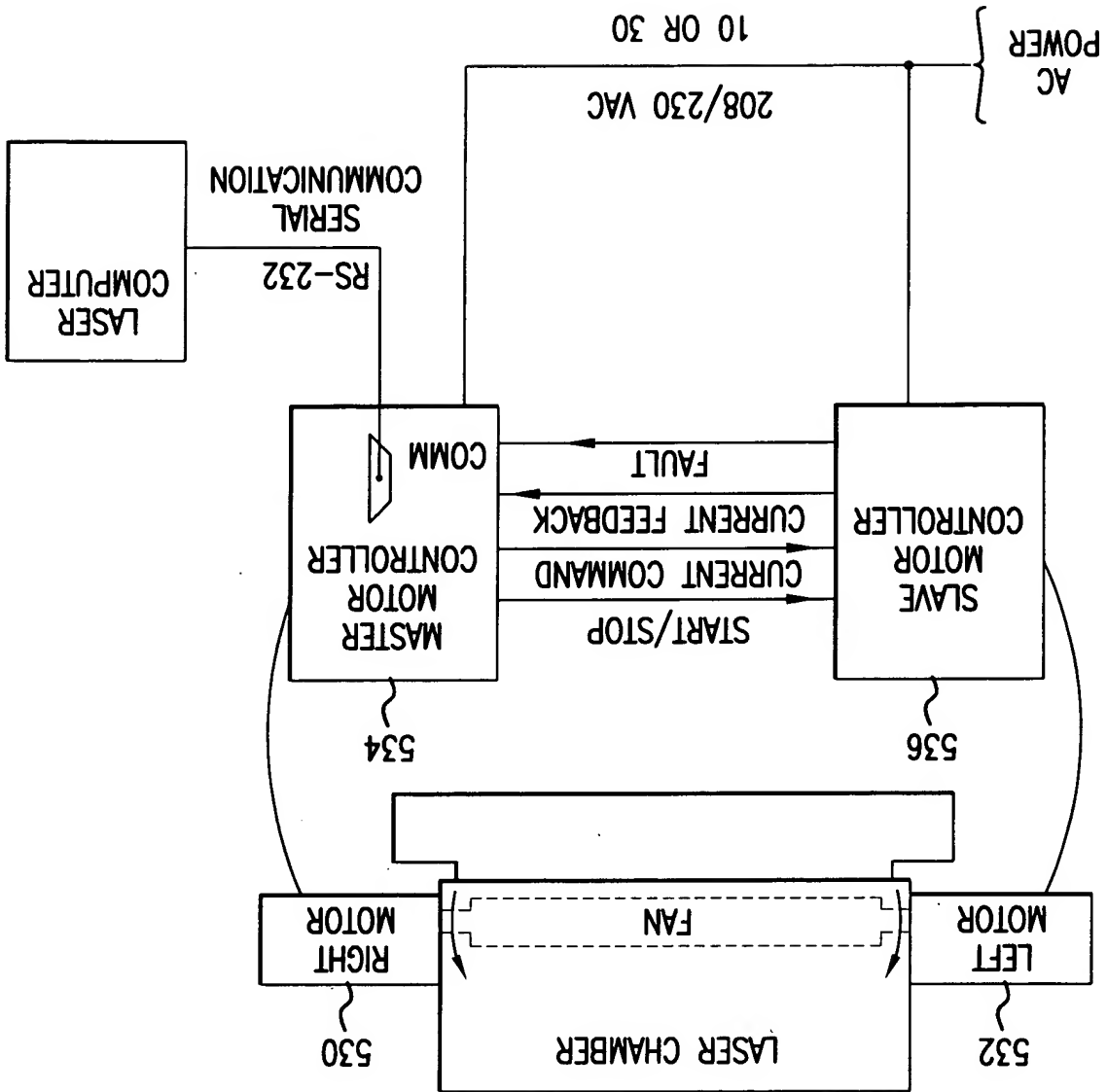


FIG. 17B



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**FIG. 18**



**SECRET**





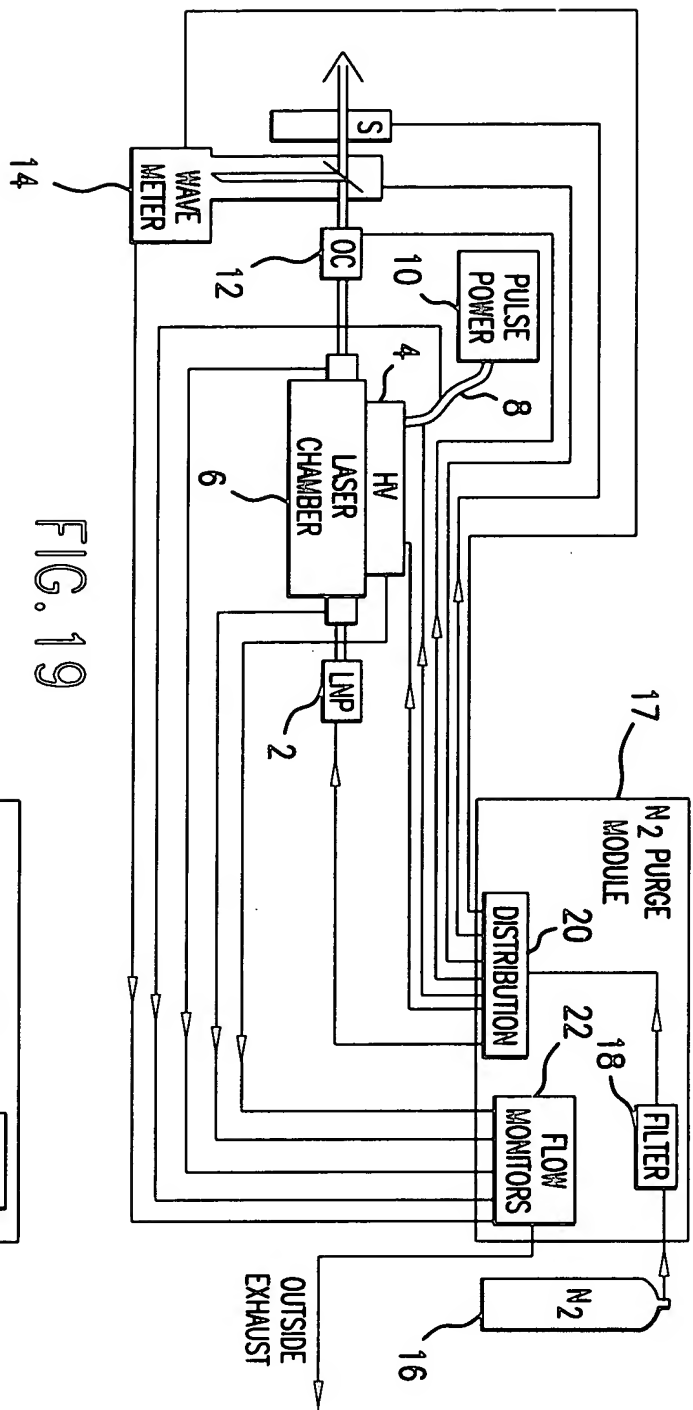


FIG. 19

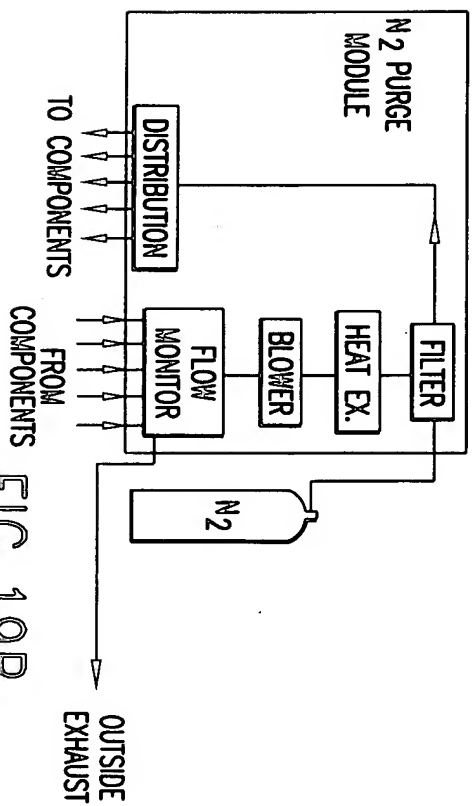
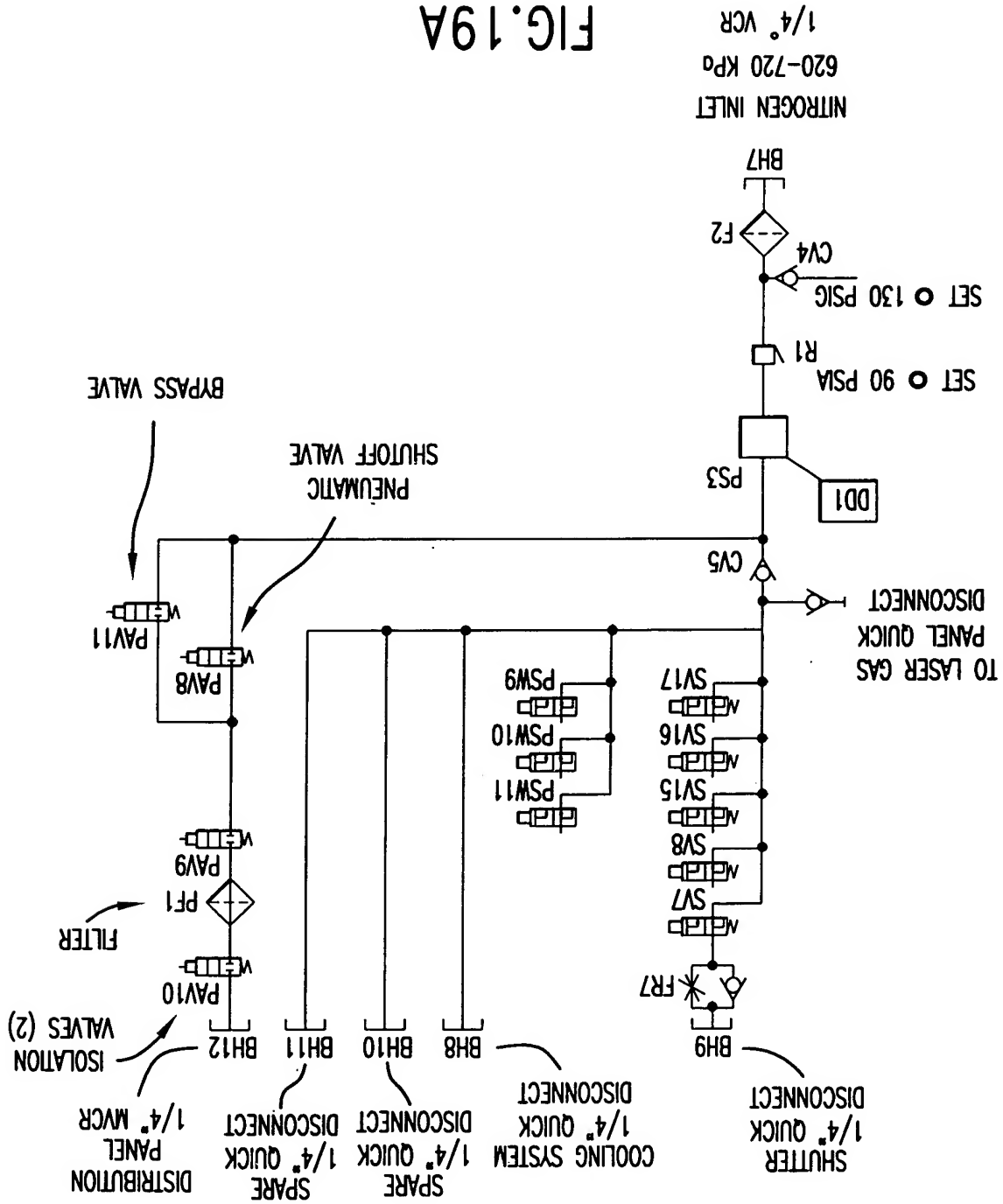


FIG. 19B

FIG. 19A



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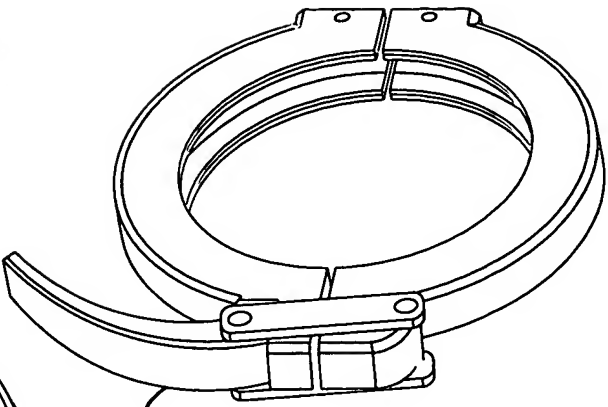


FIG. 19F5

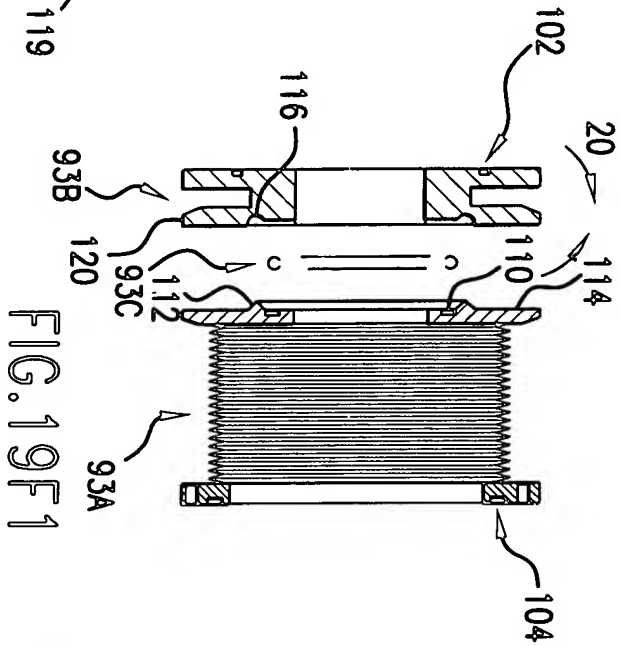


FIG. 19F1

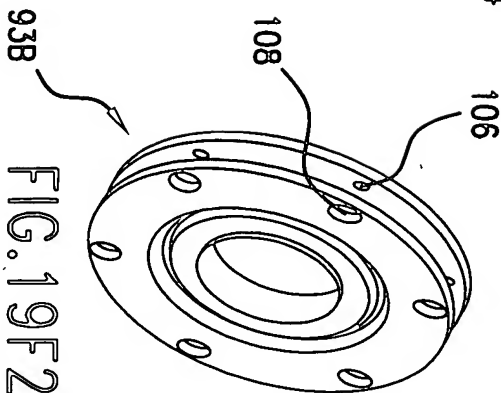


FIG. 19F2

FIG. 19F3

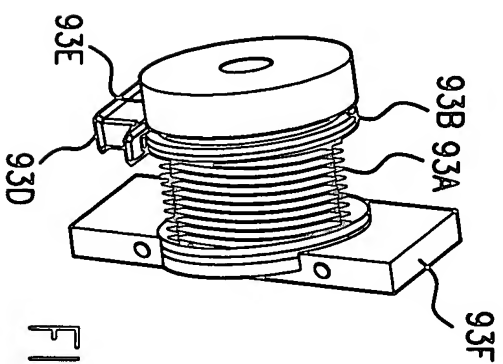
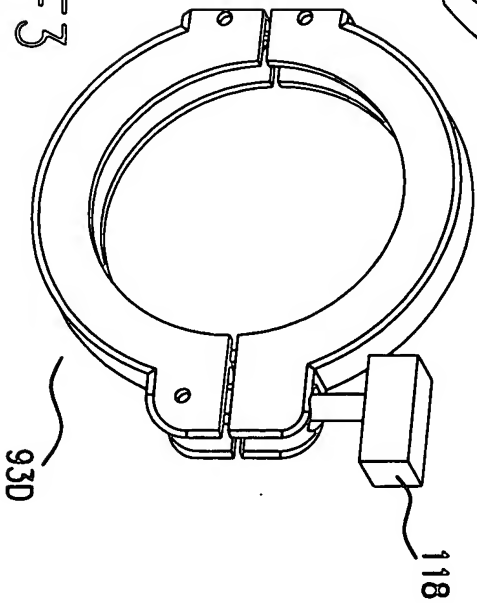


FIG. 19F4

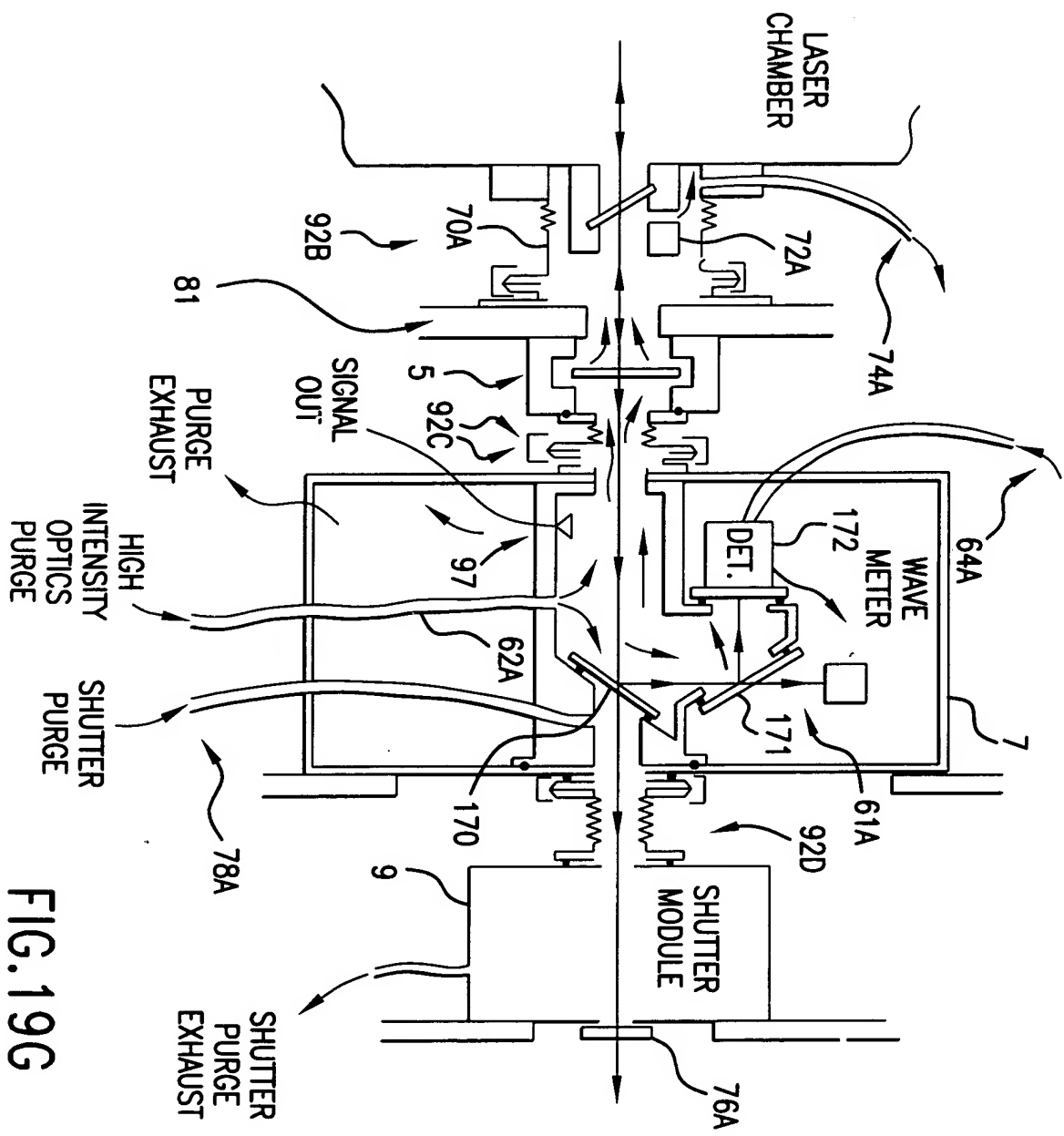


FIG. 19G

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FIG. 20A

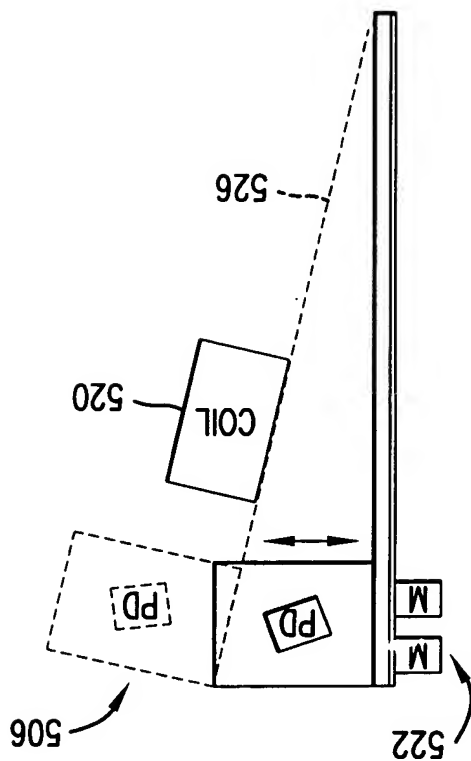
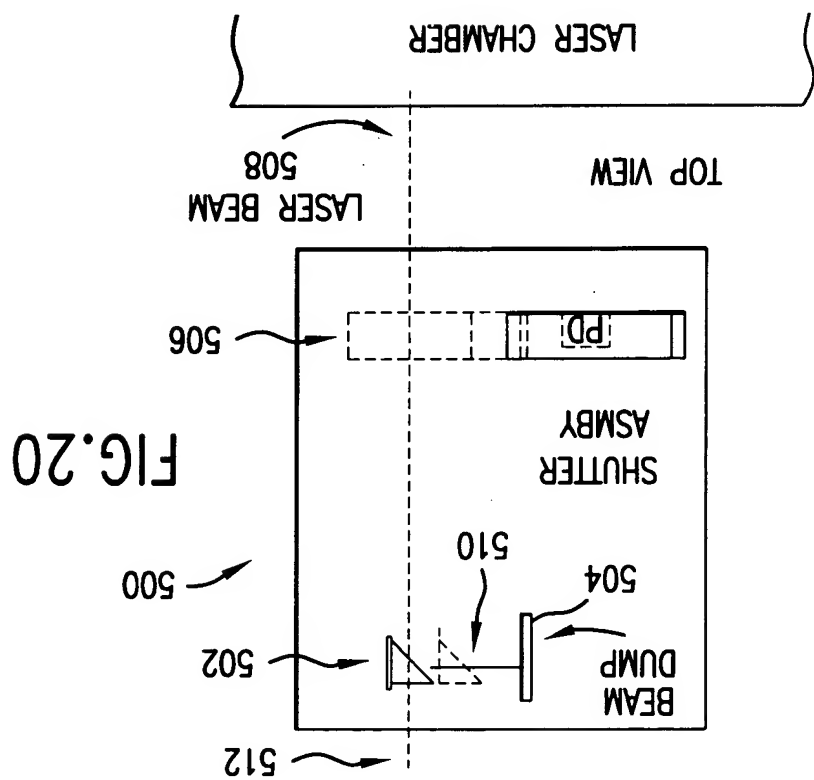
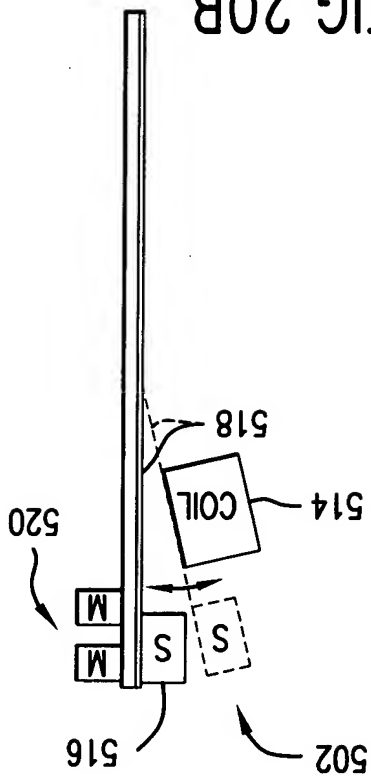


FIG. 20B





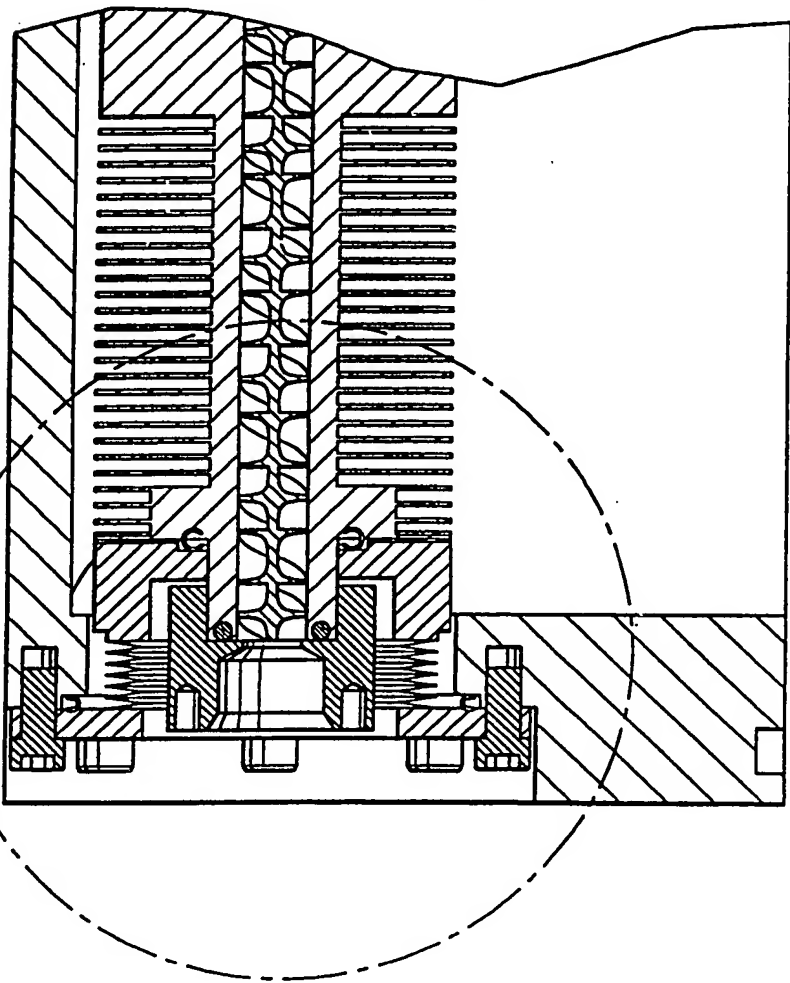
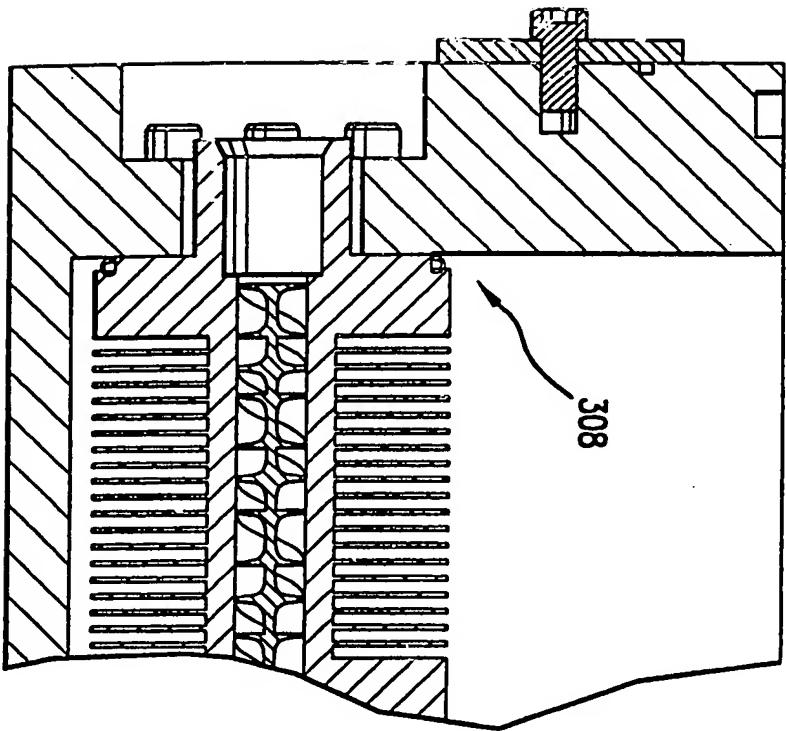


FIG.21

FIG.21A

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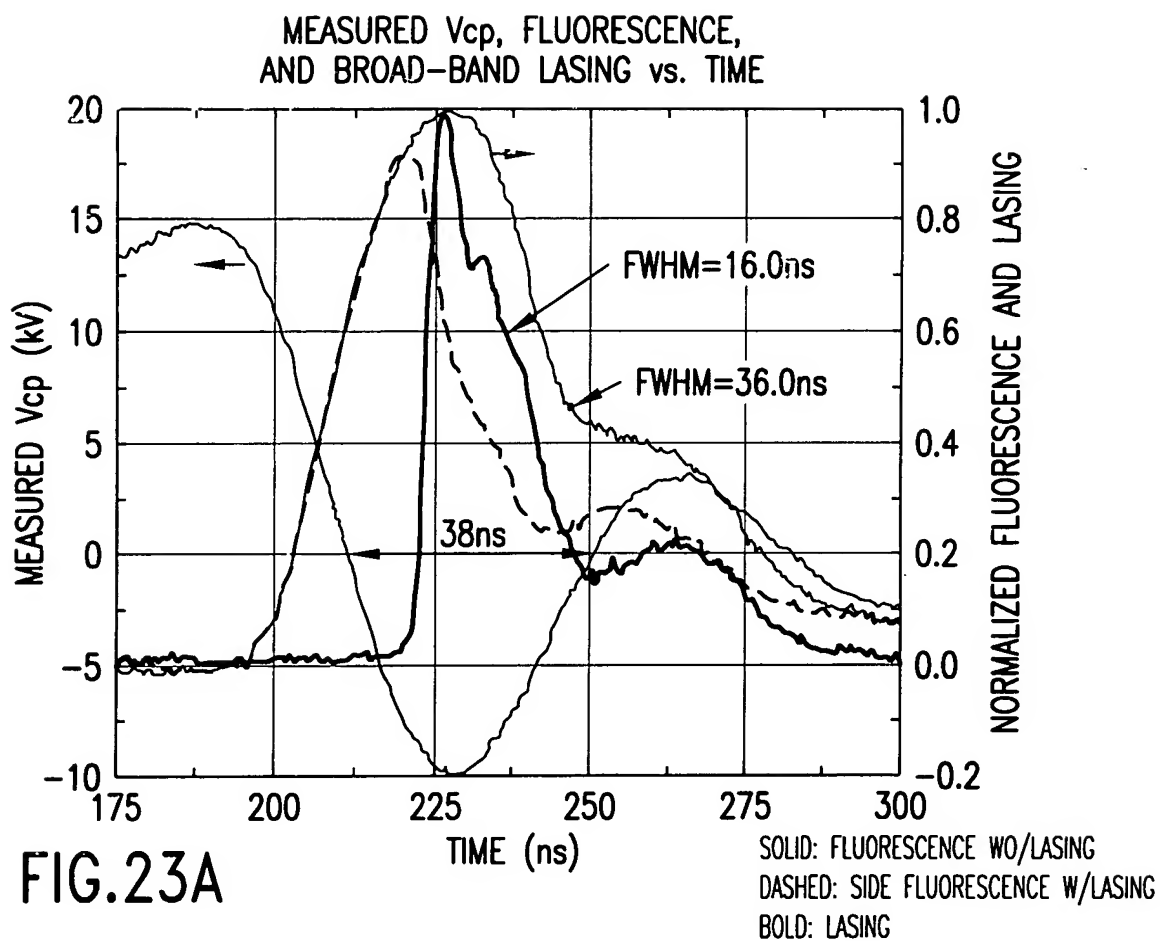


FIG.23A

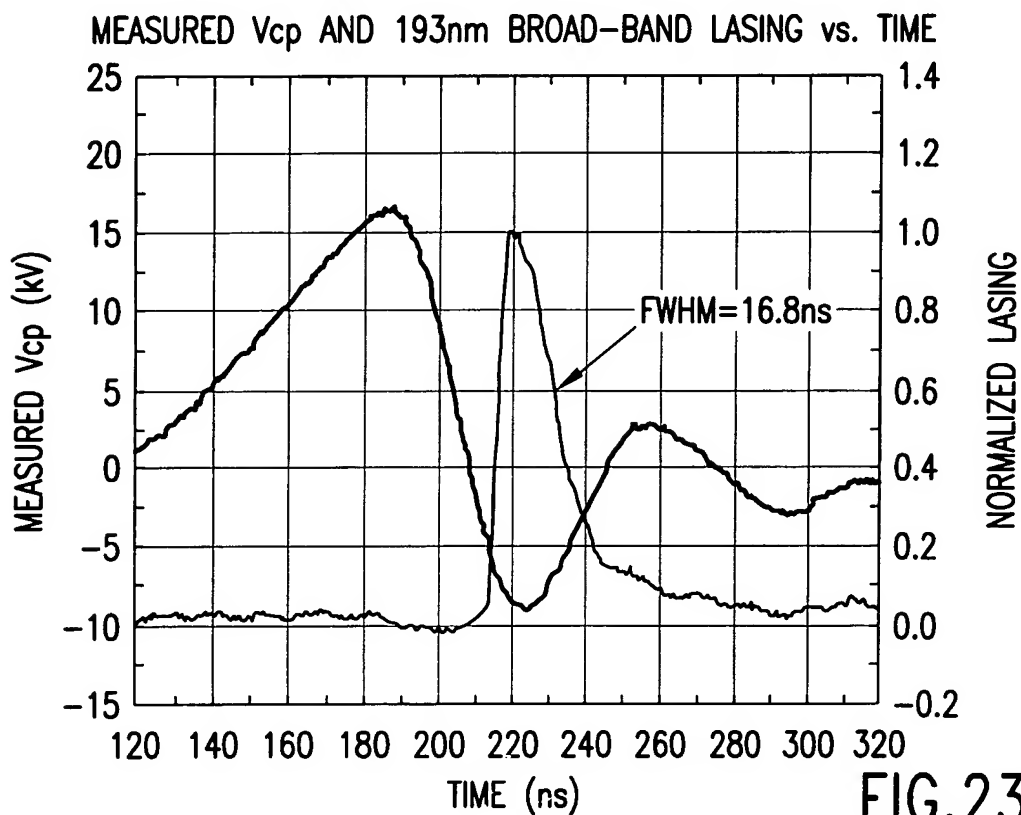


FIG.23B

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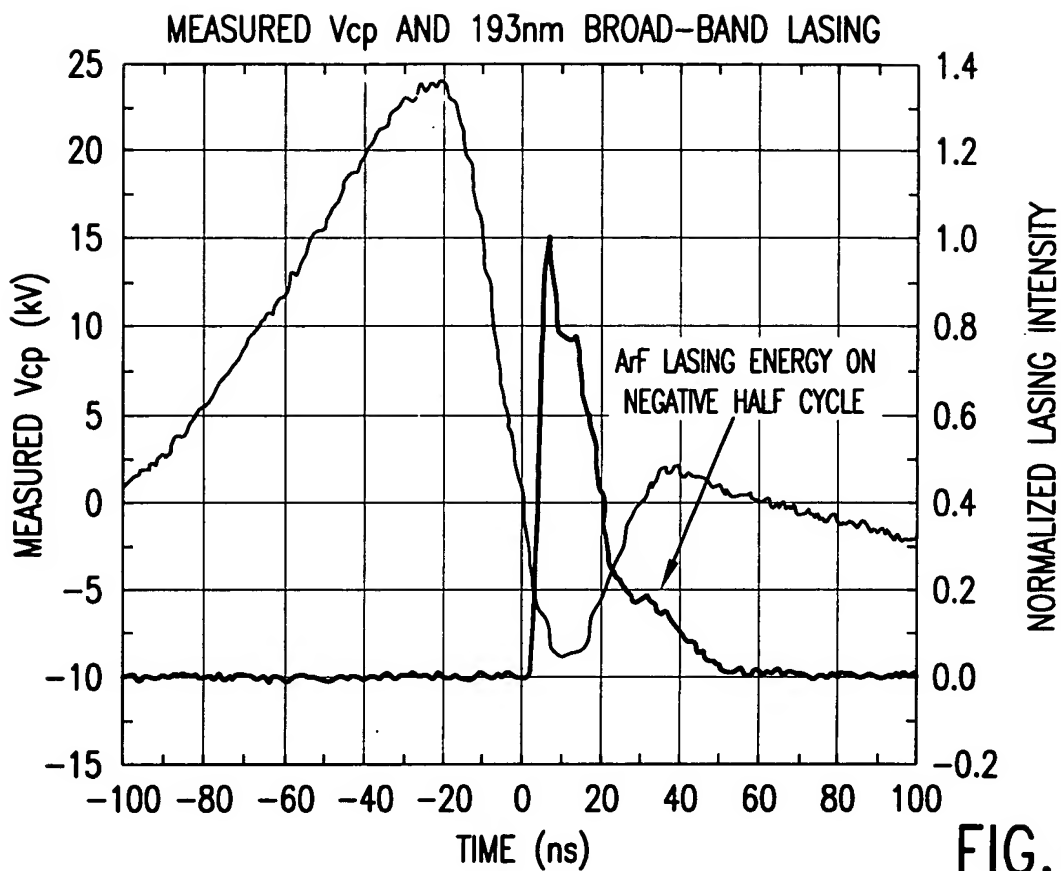


FIG.23C

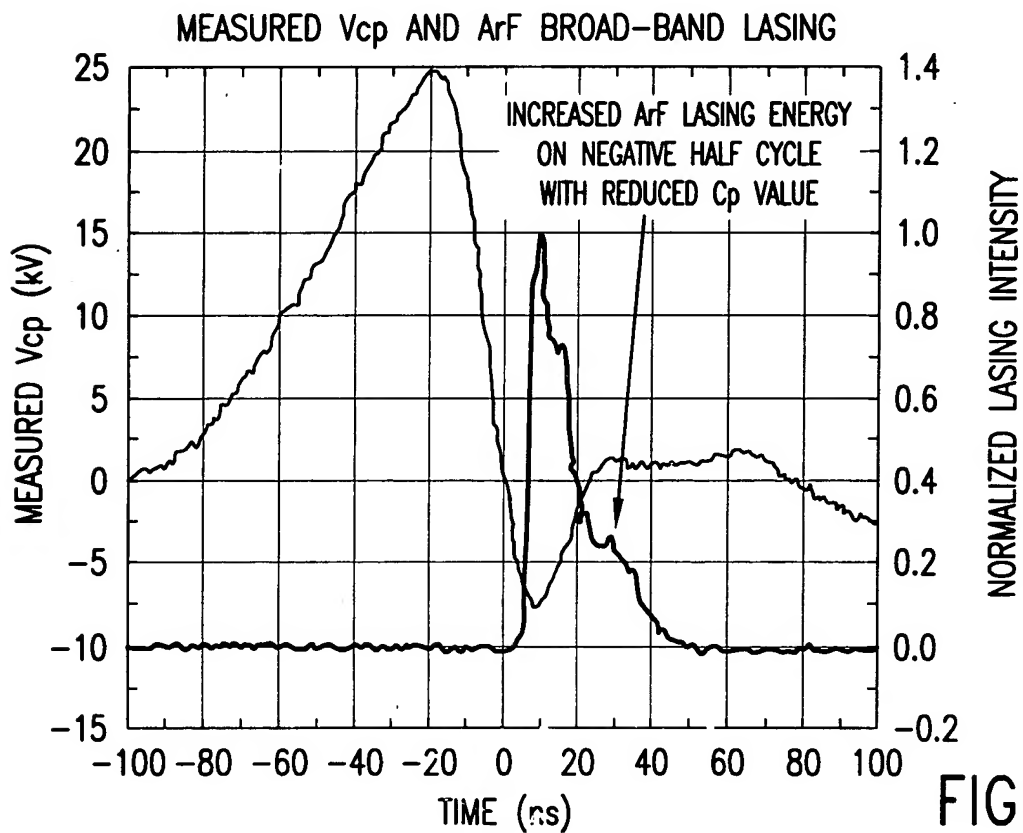


FIG.23D

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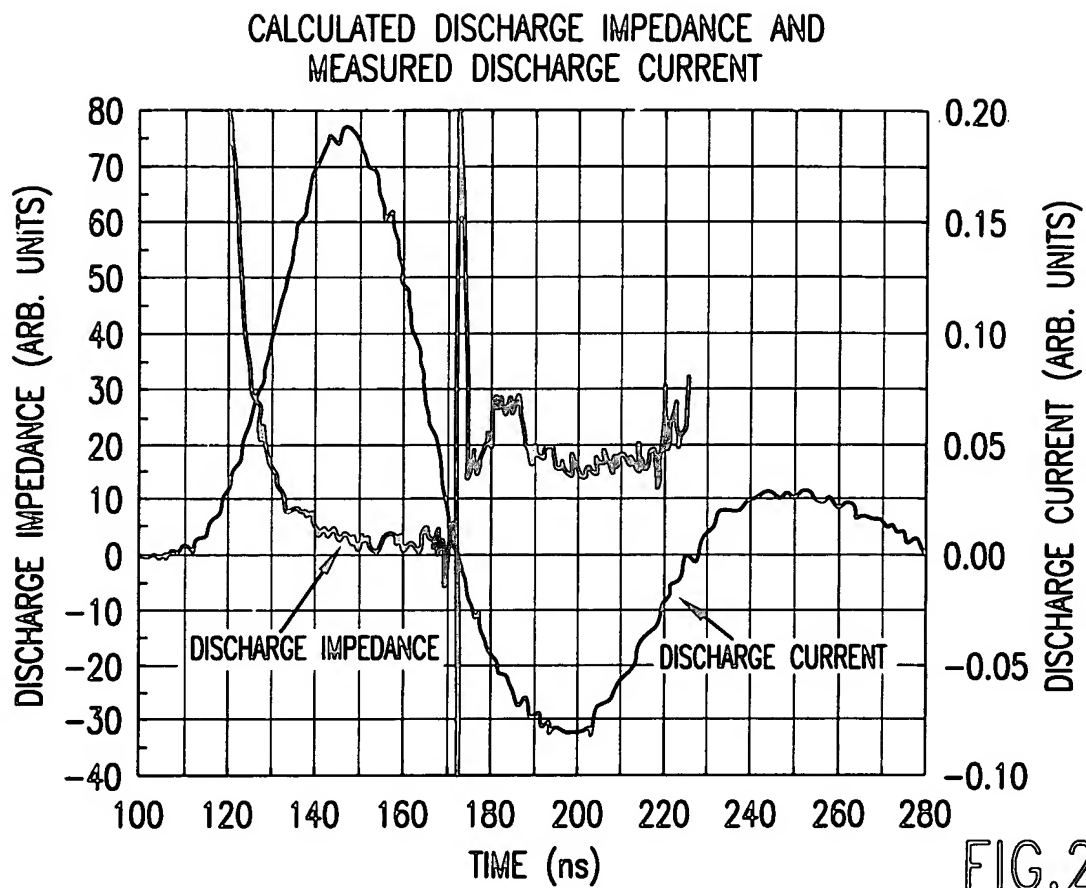


FIG.23E

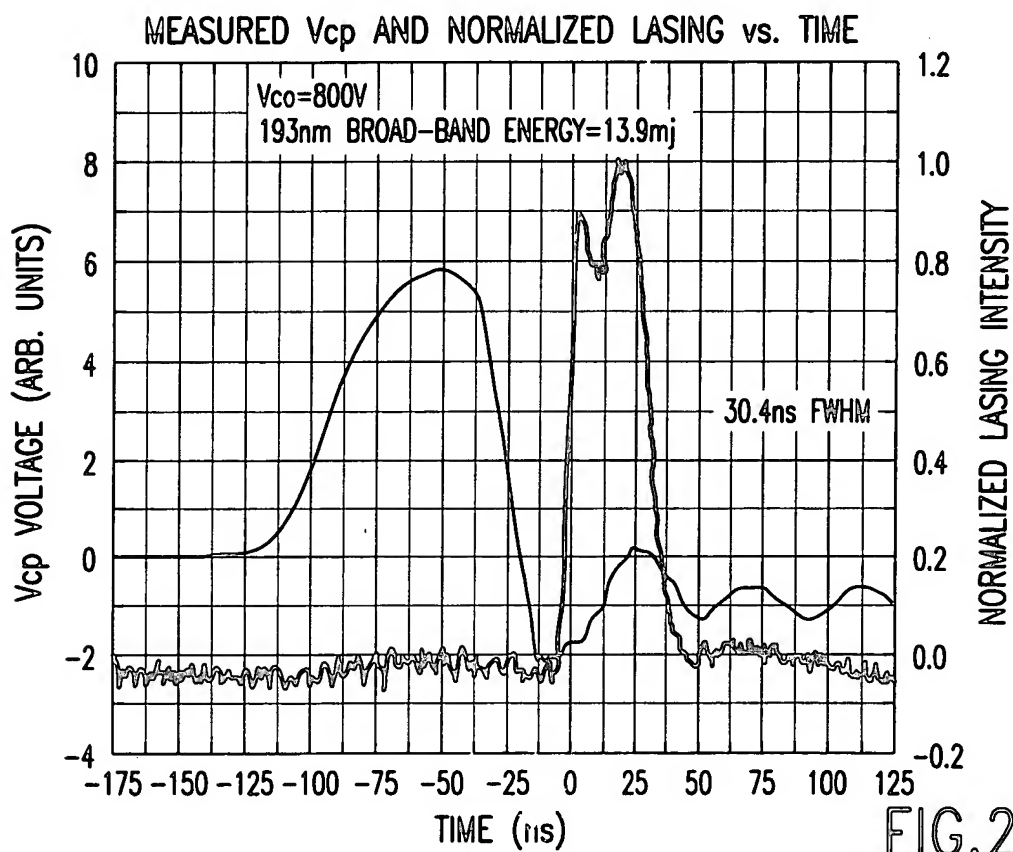


FIG.23N-1

FIG.23F

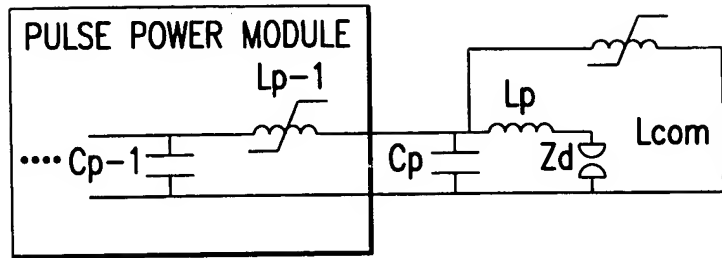


FIG.23G

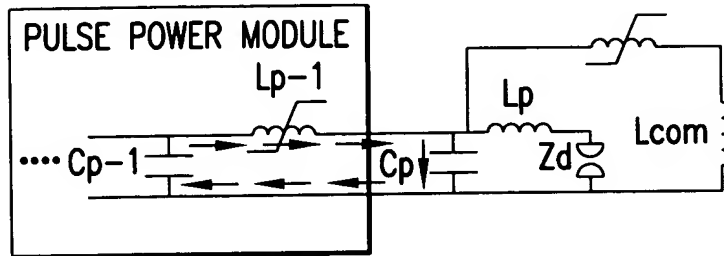


FIG.23H

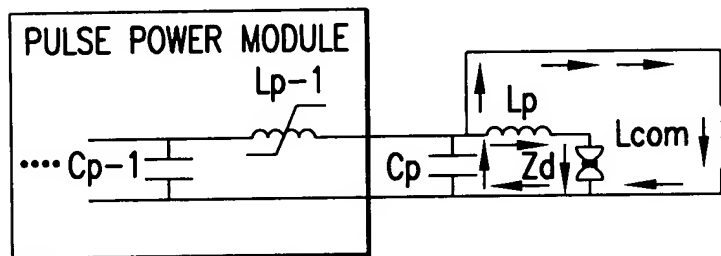


FIG.23I

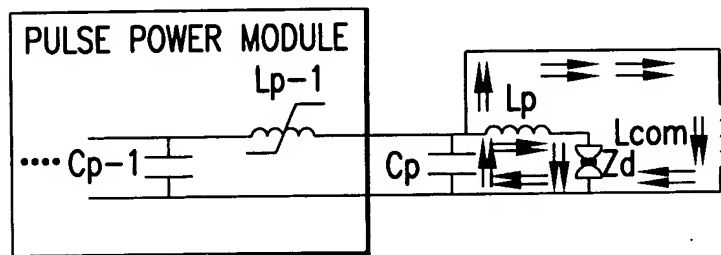
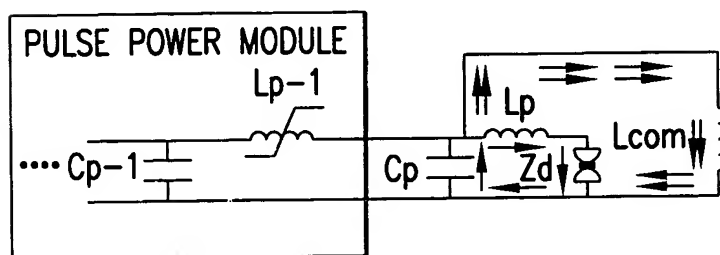


FIG.23J



PULSE POWER MODULE

Diagram showing the internal components and current flow of a Pulse Power Module. The components include a capacitor  $C_{p-1}$ , an inductor  $L_{p-1}$ , a capacitor  $C_p$ , an inductor  $L_p$ , a diode  $Z_d$ , and a common inductor  $L_{com}$ . Arrows indicate the direction of current flow through the circuit.

PULSE POWER MODULE

The diagram shows a circuit with the following components and current flow:

- Capacitor  $C_{p-1}$  and inductor  $L_{p-1}$  in series.
- Capacitor  $C_p$  and inductor  $L_p$  in series.
- Diode  $Z_d$  in series with the inductor  $L_p$ .
- A common inductor  $L_{com}$  connected to the output.
- Arrows indicate the direction of current flow through the circuit.

The diagram illustrates a center-feed antenna system. A pulse power module is connected to a series of LC networks. The first network consists of a capacitor  $C_{p-1}$  and an inductor  $L_{p-1}$ . This is followed by a series of identical LC networks, each containing a capacitor  $C_p$ , an inductor  $L_p$ , and a series combination of an inductor  $L_b$  and a capacitor  $C_p$ , with a shunt inductor  $Z_d$ . The final network consists of a capacitor  $C_{pn-1}$  and an inductor  $L_{pn-1}$ . The entire system is labeled "CENTER-FEED".

PULSE POWER MODULE

...  $C_{p-1}$  ...  $L_{p-1}$  ...  $L_{b1}$  ...  $C_{p1}$  ...  $L_{p1}$  ...  $Z_{d1}$  ...  $L_{b2}$  ...  $C_{p2}$  ...  $L_{p2}$  ...  $Z_{d2}$  ...  $C_{pn-1}$  ...  $L_{pn-1}$  ...  $Z_{dn-1}$  ...  $L_{bn-1}$  ...  $C_{pn}$  ...  $L_{pn}$  ...  $Z_{dn}$  ...  $L_{com}$

CENTER-FEED

FIG. 23N



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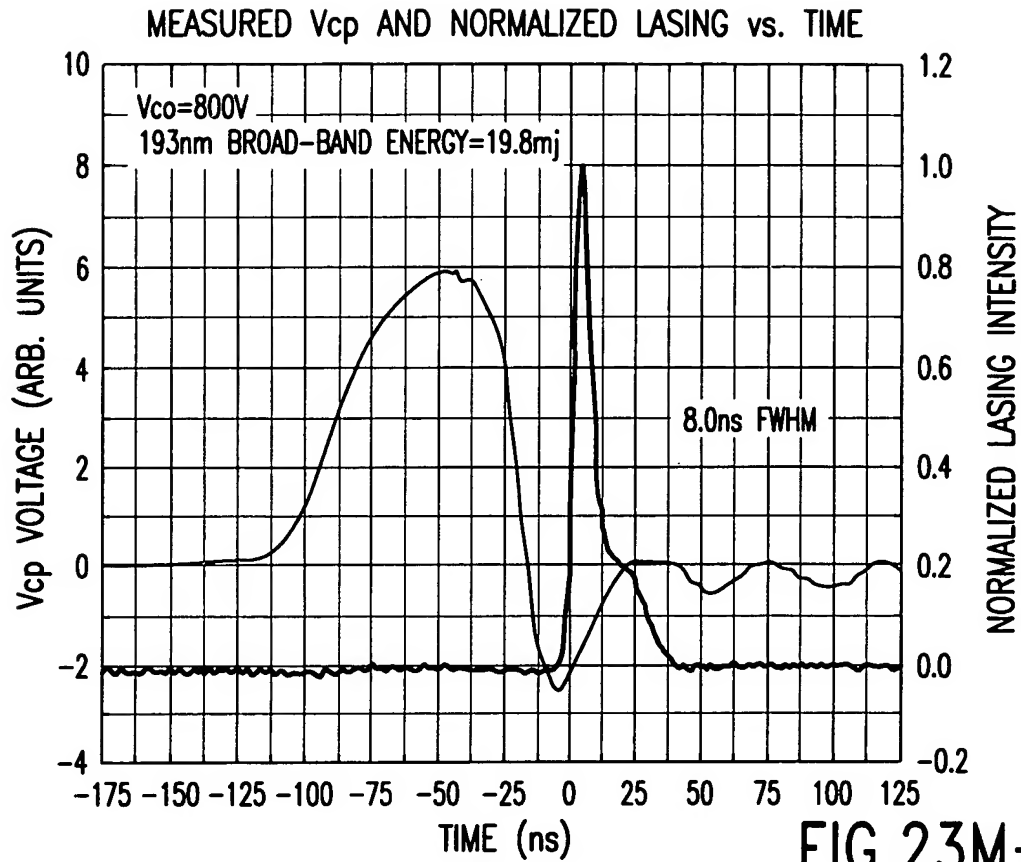


FIG.23M-1

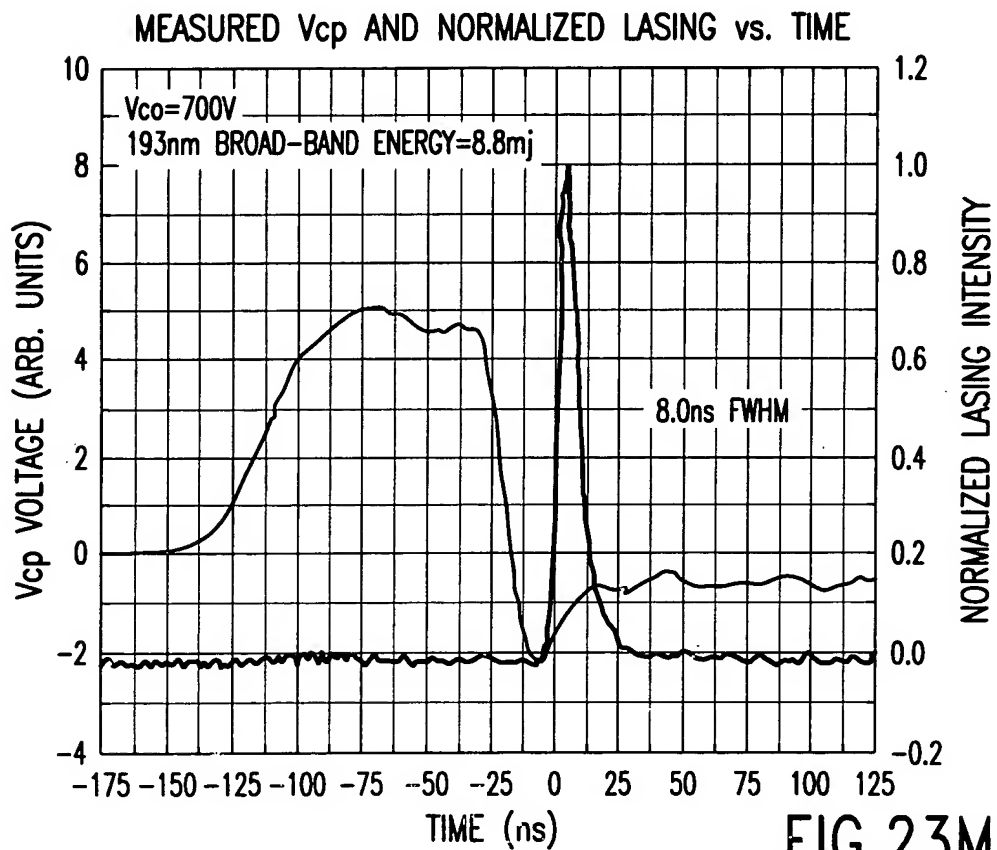


FIG.23M-2

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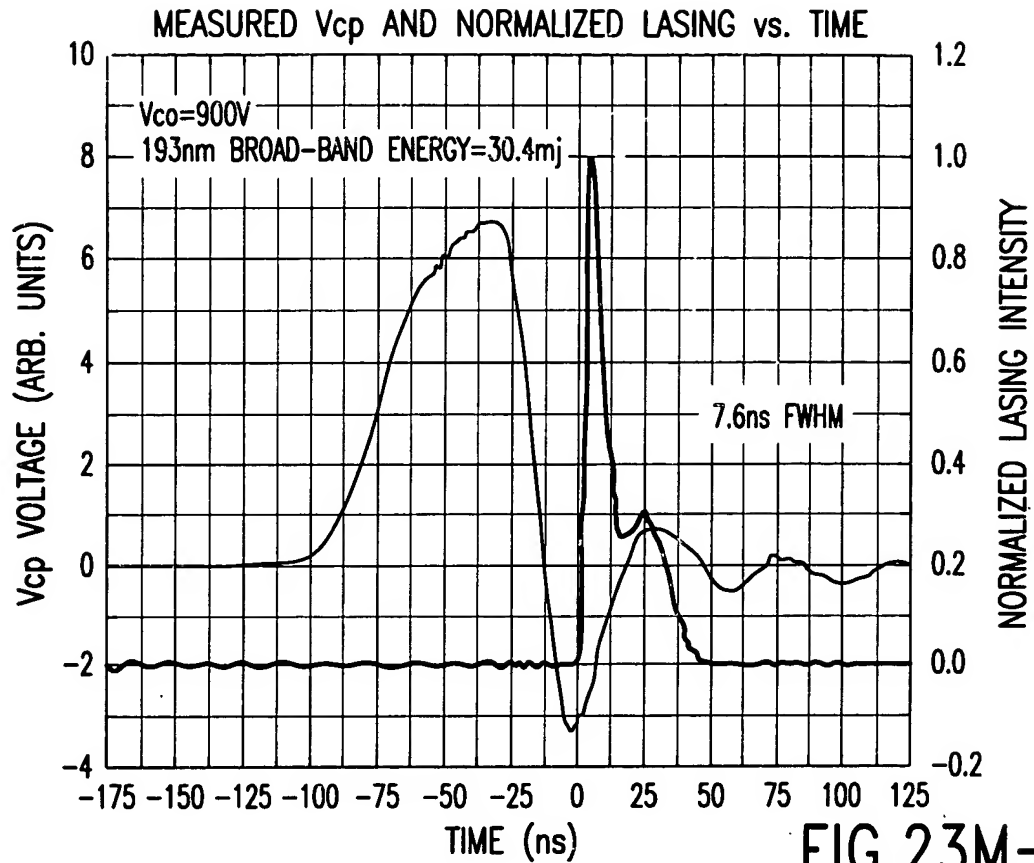


FIG.23M-3

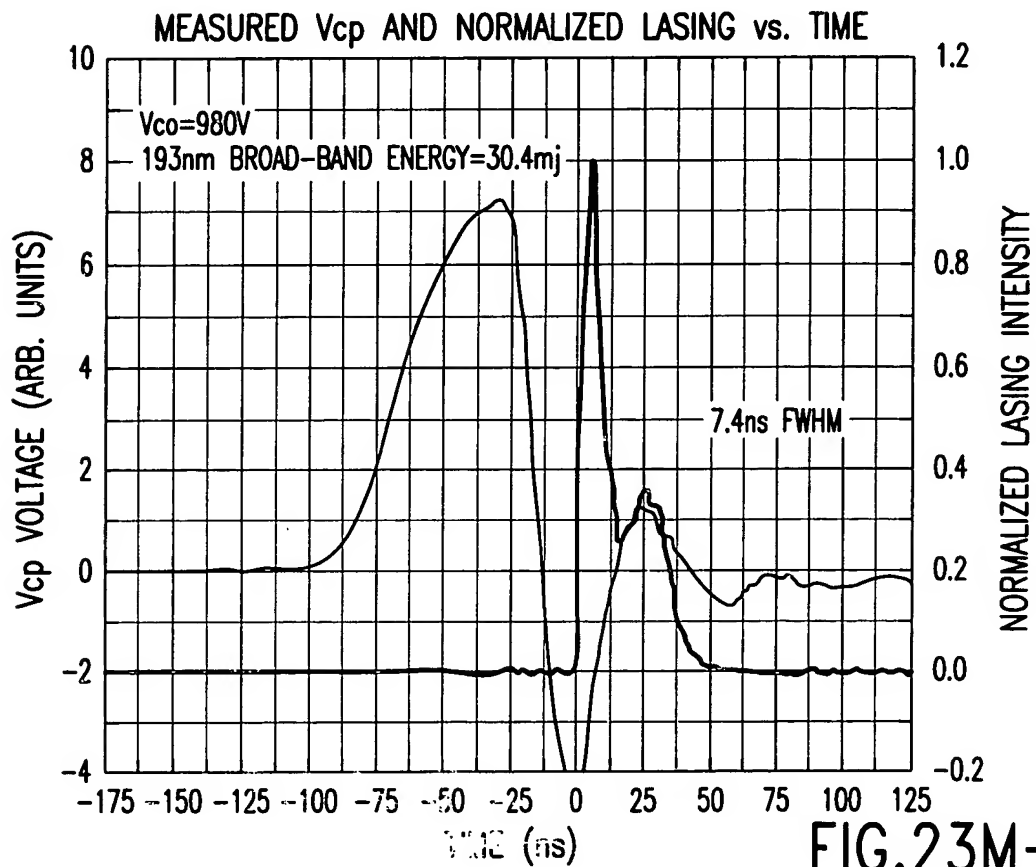


FIG.23M-4

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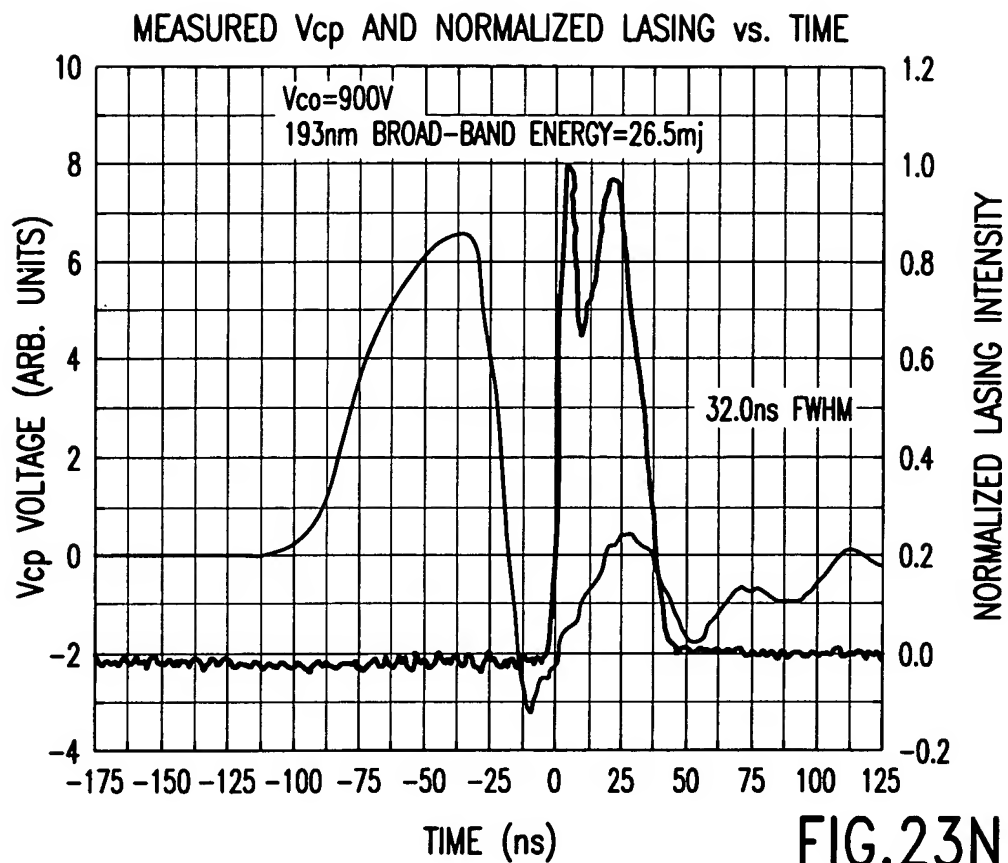


FIG.23N-2

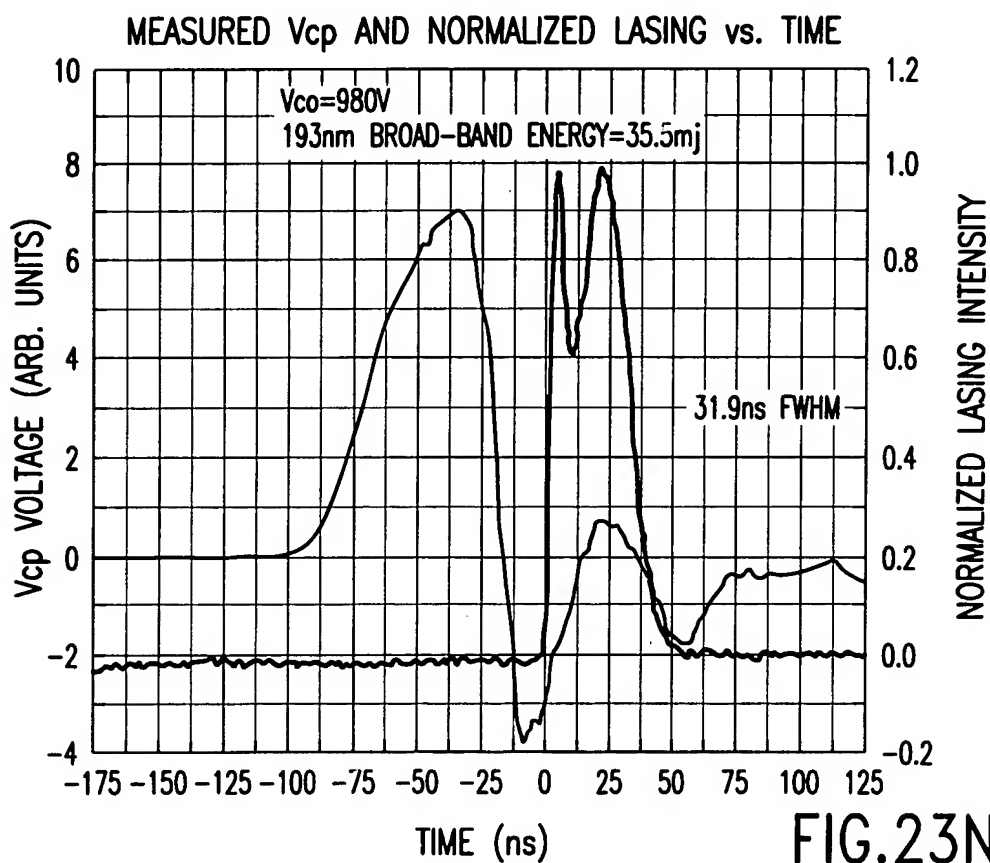


FIG.23N-3

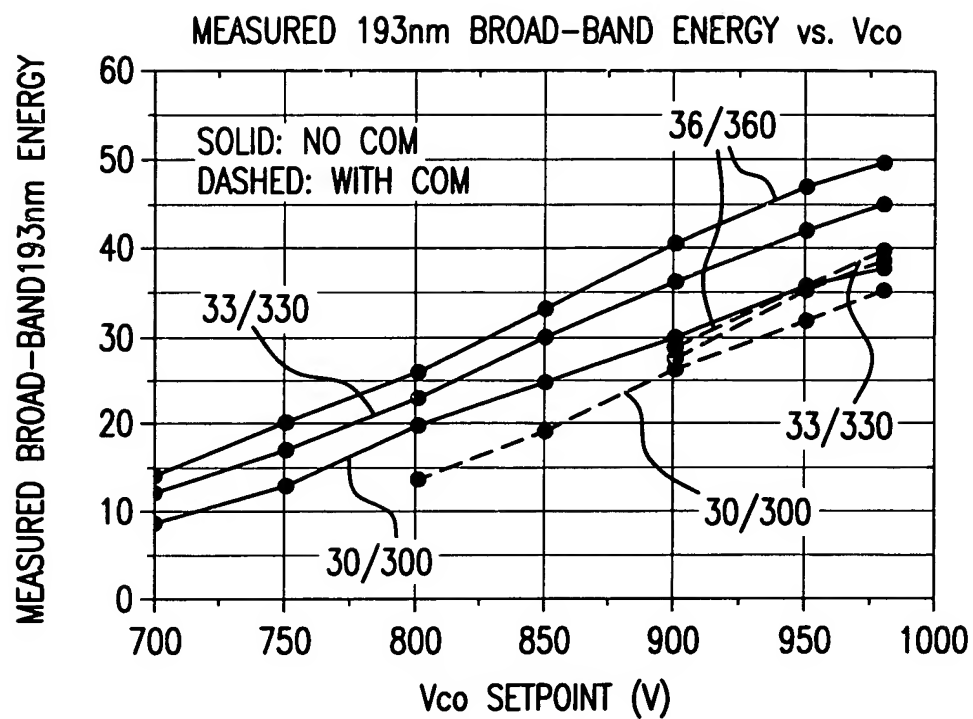


FIG.230

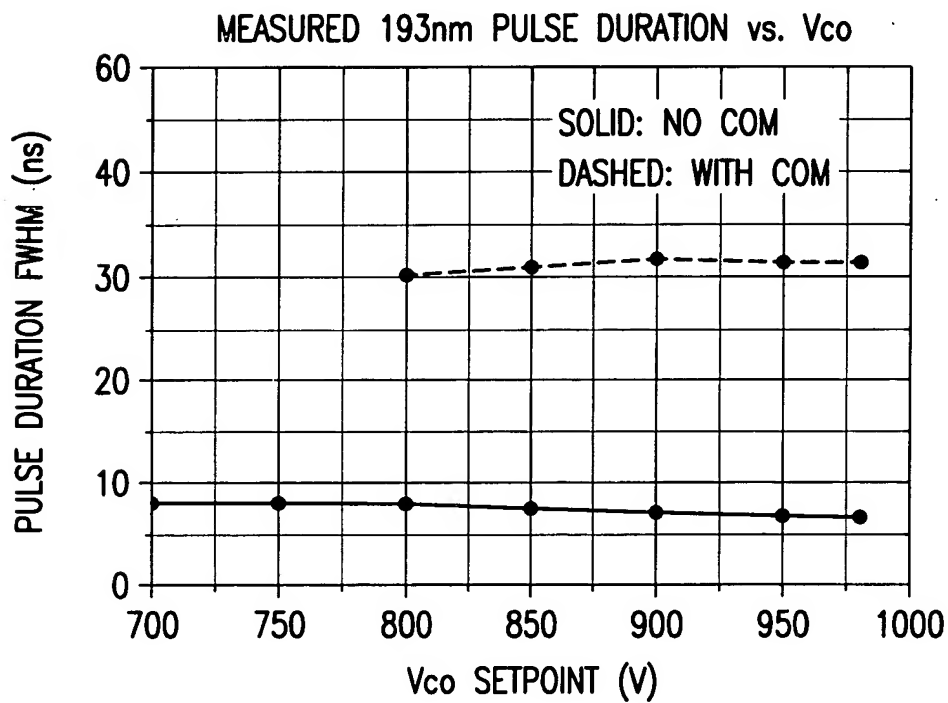


FIG.23P

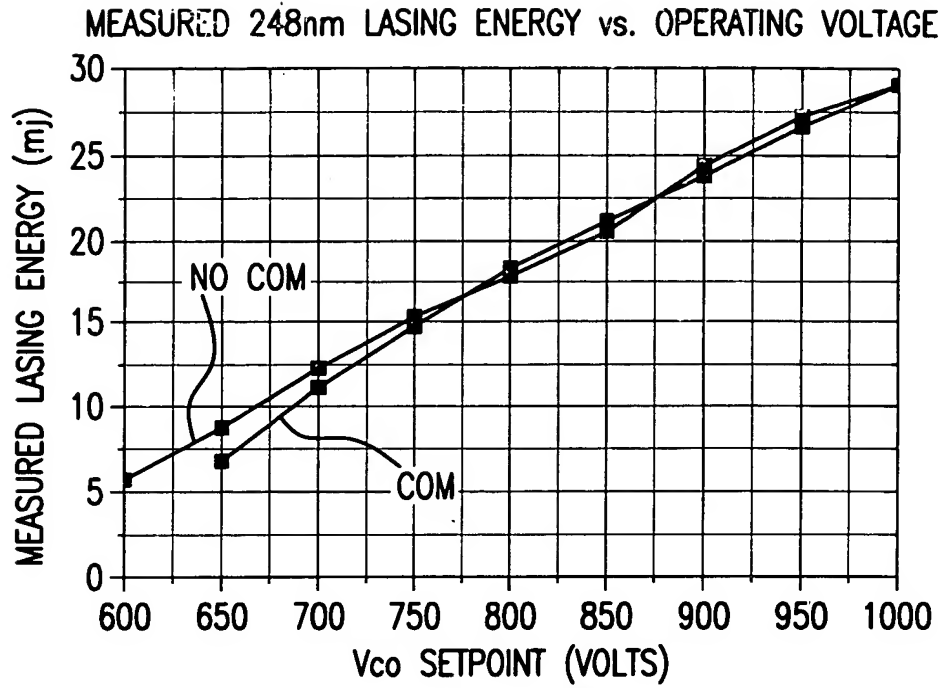


FIG.23Q

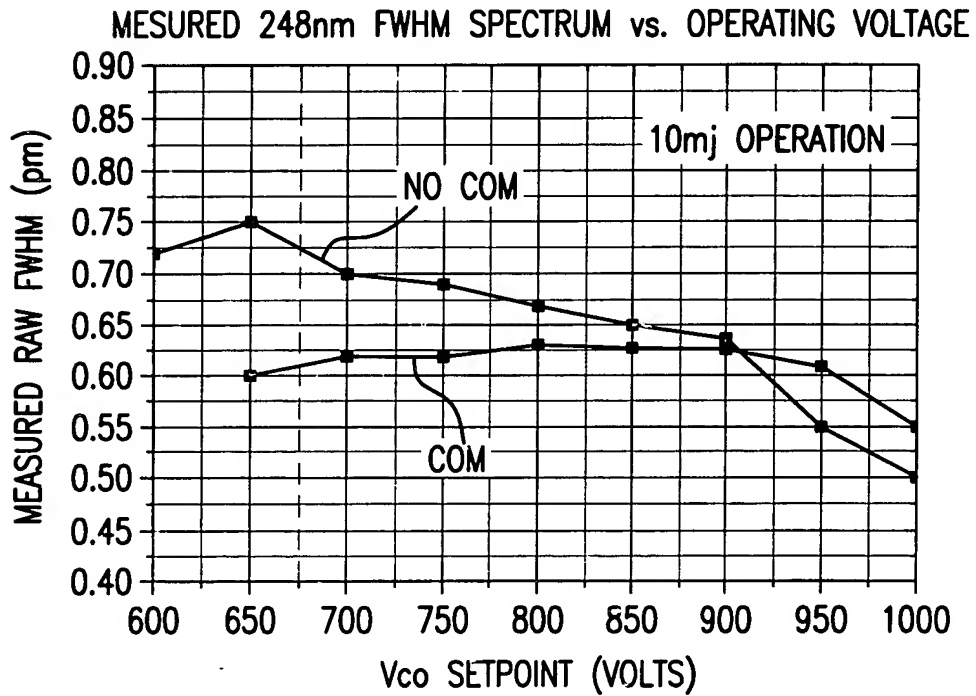


FIG.23R

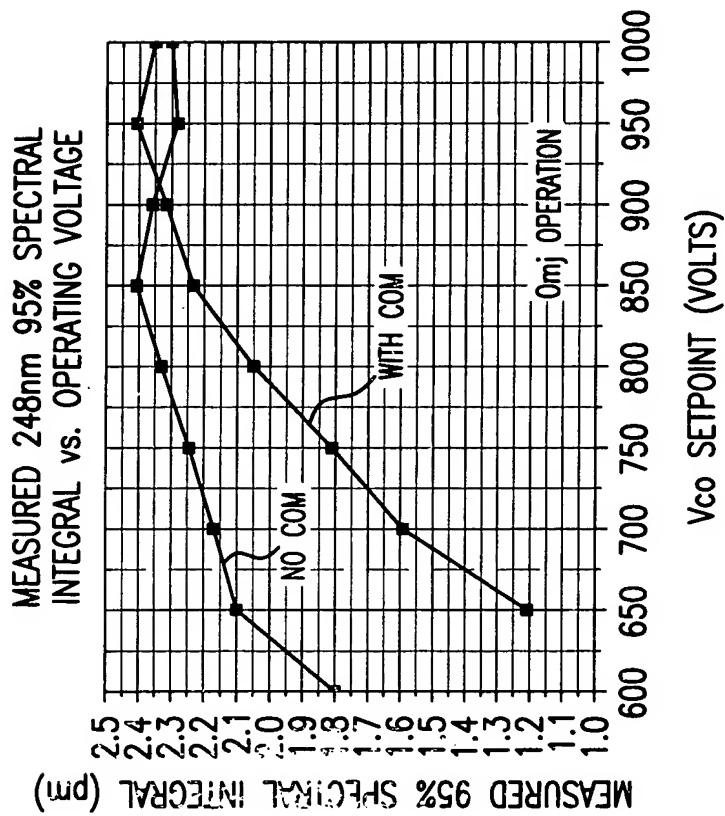


FIG.23S

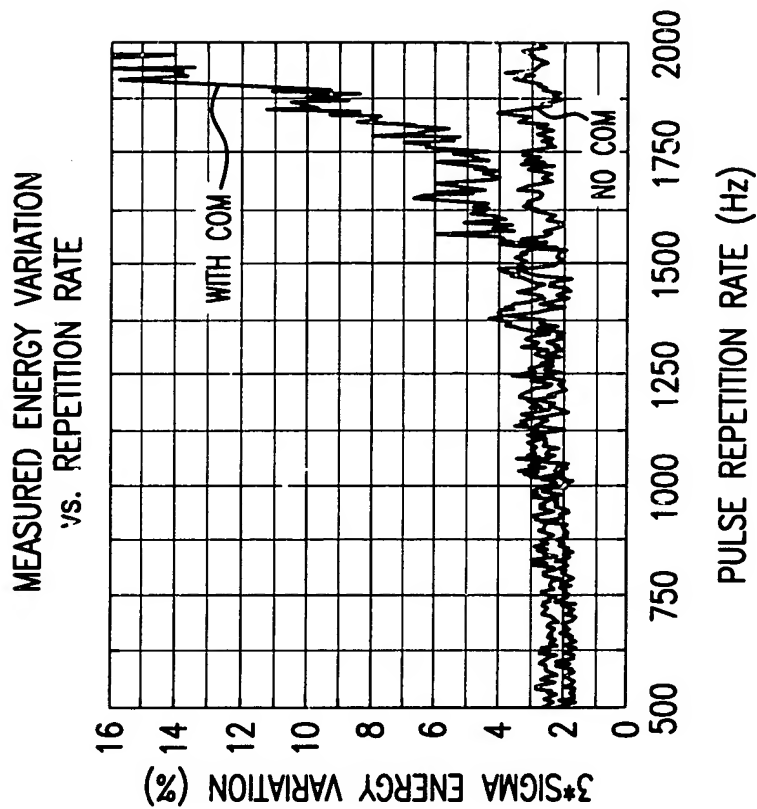


FIG.23T

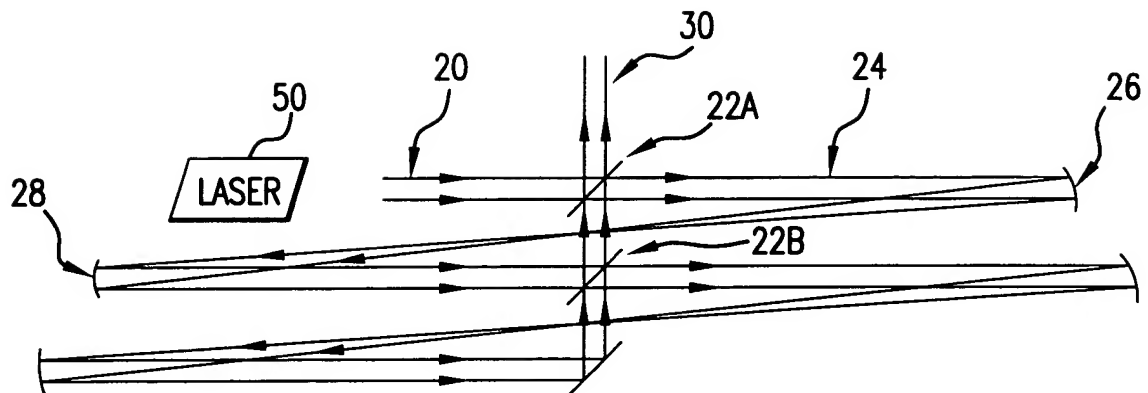


FIG.24A

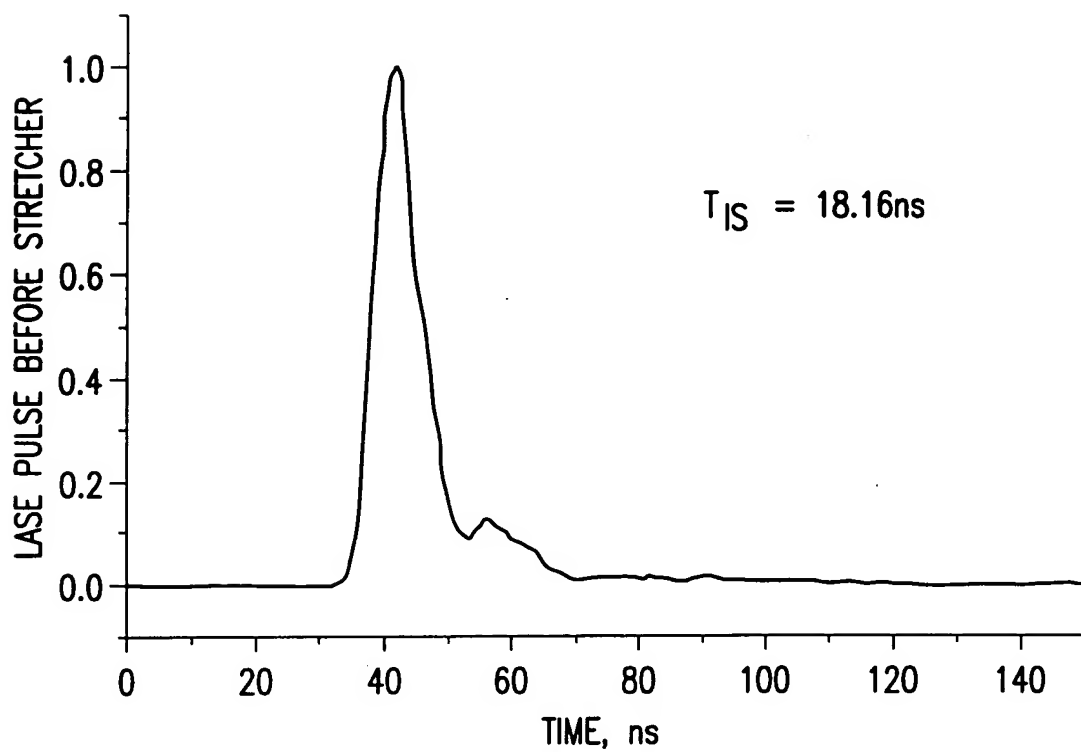


FIG.24B

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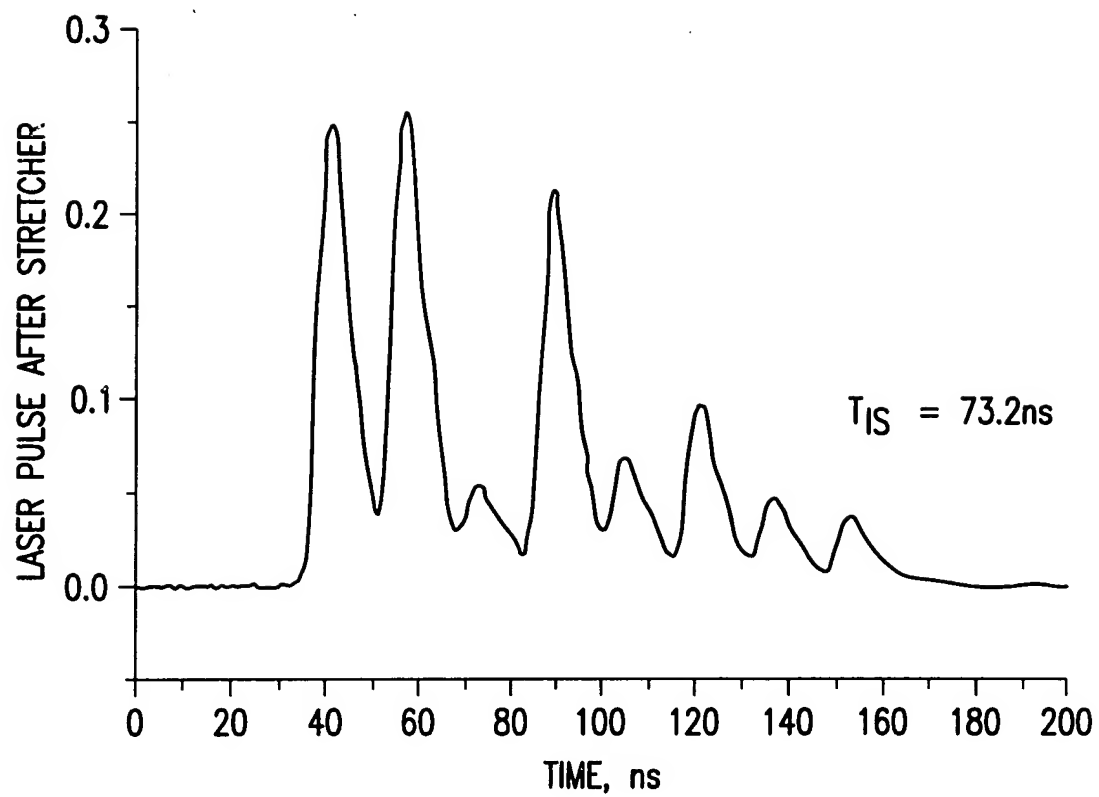


FIG.24C